

AlphaTheta

Service Manual



DJM-S11

ORDER NO.
RRV4707

DJ MIXER

DJM-S11

DJM-S11-SE

THIS MANUAL IS APPLICABLE TO THE FOLLOWING MODEL(S) AND TYPE(S).

Model	Type	Power Requirement	Remarks
DJM-S11, DJM-S11-SE	LSYXJ	AC 110 V to 240 V	
DJM-S11, DJM-S11-SE	UXJCB	AC 120 V	
DJM-S11	XJCN	AC 220 V	
DJM-S11, DJM-S11-SE	JXJ	AC 100 V	

THIS SERVICE MANUAL SHOULD BE USED TOGETHER WITH THE FOLLOWING MANUAL(S).

Model	Order No.	Remarks
DJM-S11, DJM-S11-SE	RRV4706	BLOCK DIAGRAM, EXPLODED VIEWS AND PARTS LIST etc.



AlphaTheta Corporation

6F, Yokohama i-Mark Place, 4-4-5 Minatomirai, Nishi-ku, Yokohama, Kanagawa 220-0012 JAPAN

SAFETY INFORMATION

A



This service manual is intended for qualified service technicians; it is not meant for the casual do-it-yourselfer. Qualified technicians have the necessary test equipment and tools, and have been trained to properly and safely repair complex products such as those covered by this manual.

Improperly performed repairs can adversely affect the safety and reliability of the product and may void the warranty. If you are not qualified to perform the repair of this product properly and safely, you should not risk trying to do so and refer the repair to a qualified service technician.

B

Caution
Since the fuse may be neutral of the mains supply, disconnect the mains to de-energize the phase conductors.

C

D

E

F

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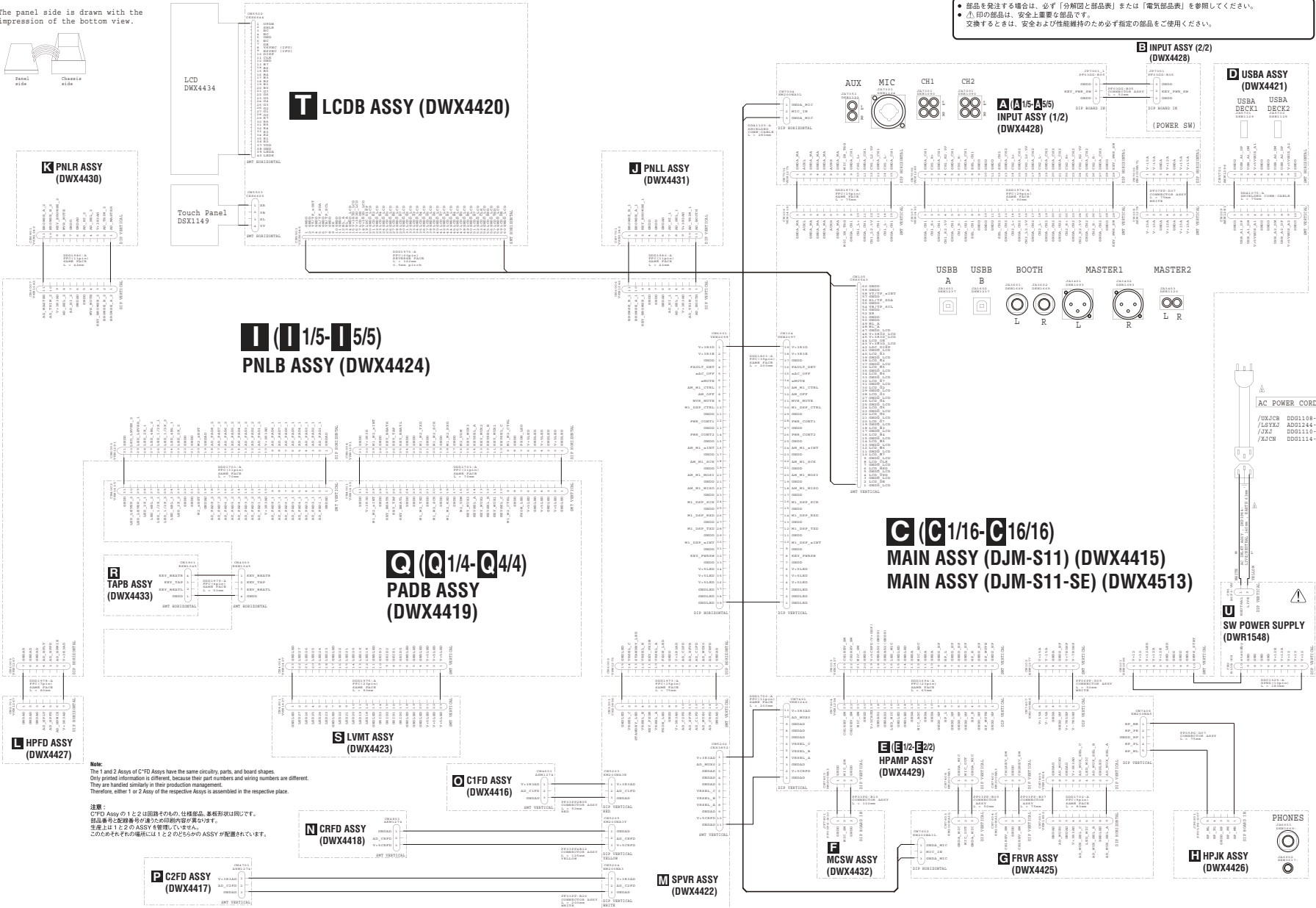
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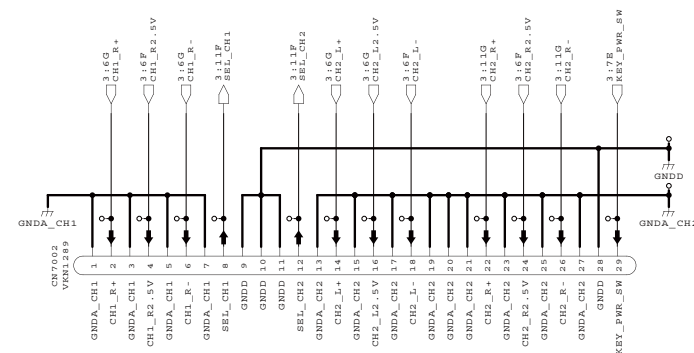
10. SCHEMATIC DIAGRAM

※The panel side is drawn with the impression of the bottom view.

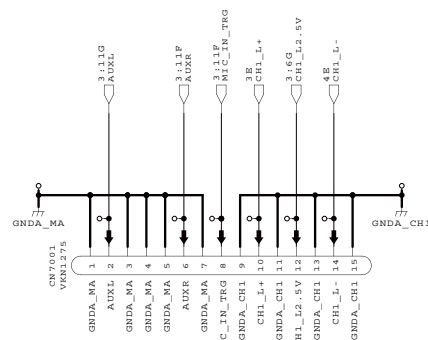


10. SCHEMATIC DIAGRAM 10.1 OVERALL WIRING DIAGRAM

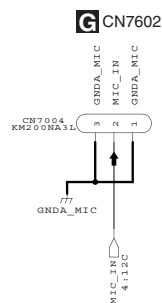
A 1/5 INPUT ASSY (1/2) (DWX4428)



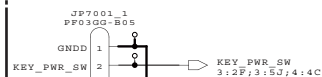
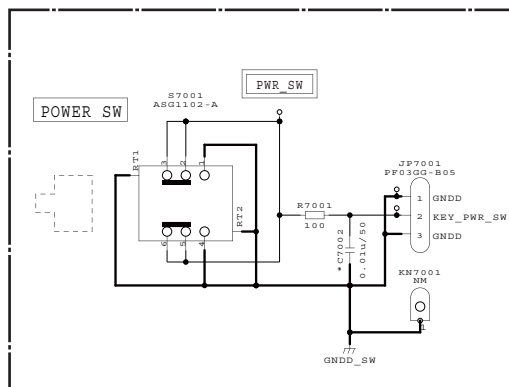
C1/16 CN107



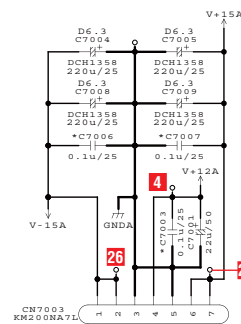
C1/16 CN106

 CN7602




B INPUT ASSY (2/2) (DWX4428)



	KEY_PWR_SW
SW ON	Low
SW OFF	High-Z (PU)



C1/16 CN108

NOTES	
NM	is No Mount
	RS1/10SR101
	0603B***K
	CEAT220M50

*CAPACITORS
Indicated in Capacity/Voltage(V)
unless otherwise noted. u : μF , p : pF

*RESISTORS
Indicated in Ω , $\pm 5\%$ tolerance
unless otherwise noted. k : k Ω , M : M Ω

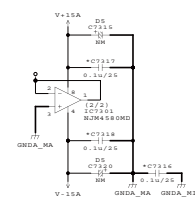
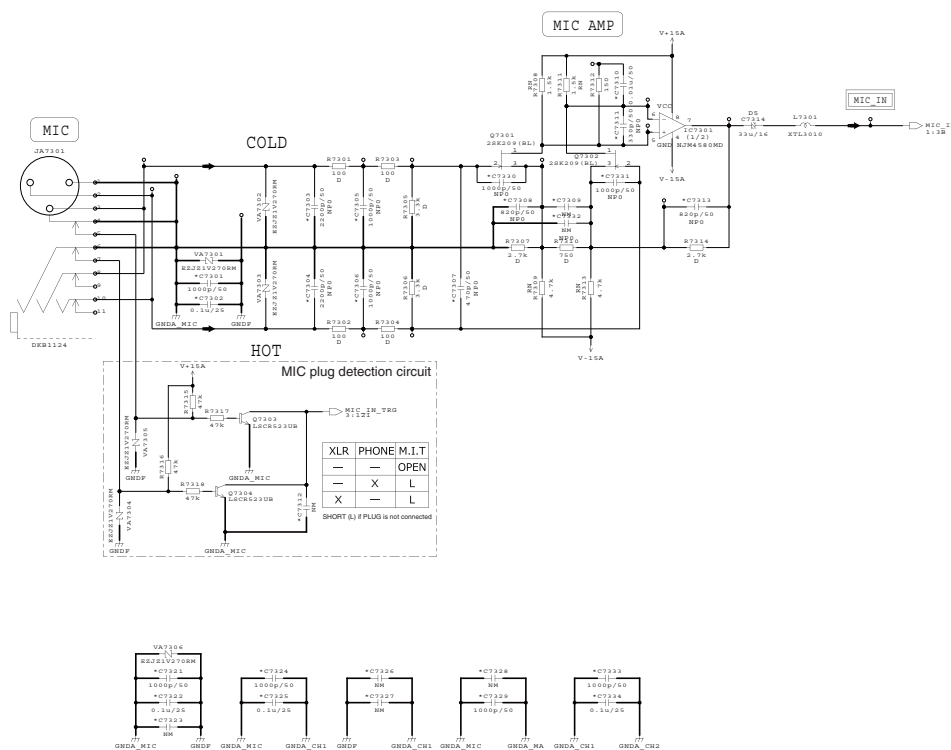
BOARD IF

INPUT	DWM2752 - /J
AIN	DWX4428 - /J
PCB	DNP2990 -

A 3/5



INPUT	DWM2752- /J	<p>NFO \rightarrow \rightarrow 0403N***J</p> <p>ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED</p> <p>*CAPACITORS Indicated in Capacity/Voltage(V) unless otherwise noted. u : μF, p : pF</p> <p>*RESISTORS Indicated in Ω, \pm% tolerance unless otherwise noted. k : kΩ, M : MΩ</p>
AIN	DWX4428- /J	
PCB	DNP2990-	



NOTES	
	NM is No Mount
	RS1/10SR***
D 	RS1/10SR***
	0603R***K
NFO 	0603N***J
	CEANP330M1

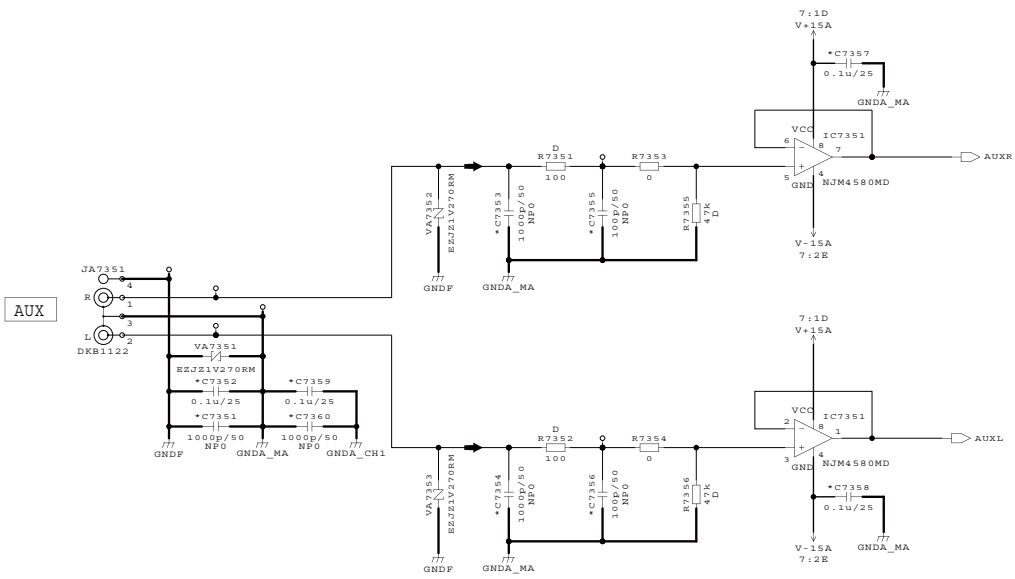
*CAPACITORS
Indicated in Capacity/Voltage(V)
unless otherwise noted. u : nF , p : pF

*RESISTORS
Indicated in Ω , $\pm 5\%$ tolerance
unless otherwise noted. k : k Ω , M : M Ω

MIC INPUT

INPUT	DWM2752- /J
AIN	DWX4428- /J
PCB	DNP2990-

A5/5 INPUT ASSY (1/2) (DWX4428)



NOTES

NM is No Mount

RS1/10SR***J

D RS1/10SR***D

0603B***K

NP0 0603N***J

*CAPACITORS
Indicated in Capacity/Voltage(V)
unless otherwise noted. u: μ F, p: pF

*RESISTORS
Indicated in Ω , $\pm 5\%$ tolerance
unless otherwise noted. k: k Ω , M: M Ω .

AUX INPUT

INPUT	DWM2752- /J
AIN	DWX4428- /J
PCB	DNP2990-

A

B

C

D

E

F

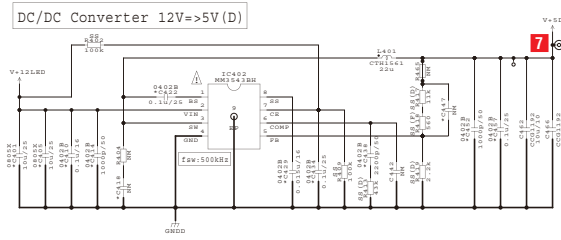
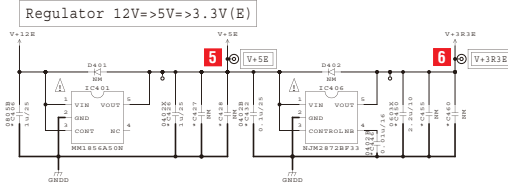
A5/5

DJM-S11

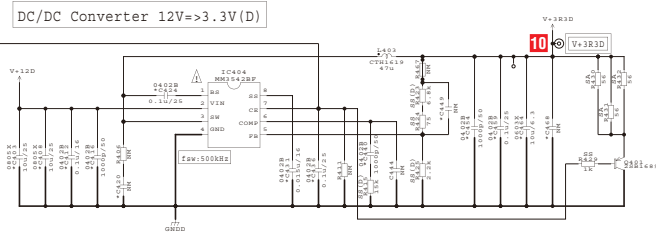
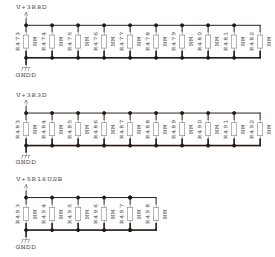
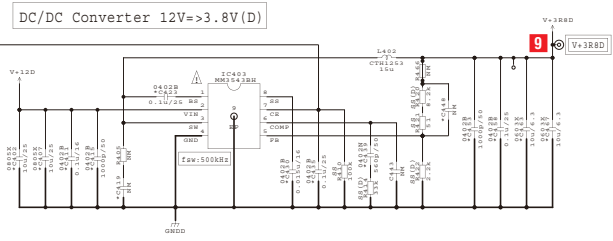
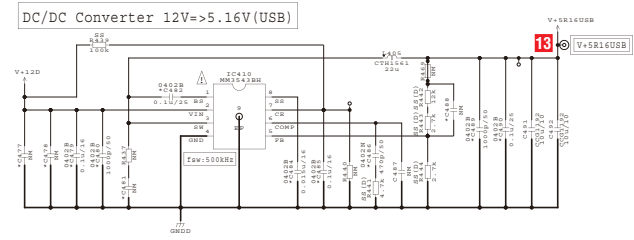
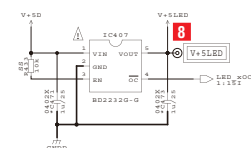
DIGITAL POWER BLOCK

C2/16 MAIN ASSY (DJM-S11) (DWX4415)
MAIN ASSY (DJM-S11-SE) (DWX4513)

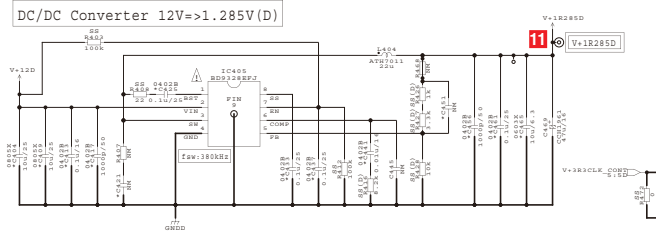
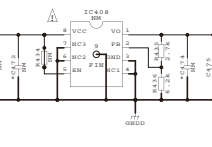
○ ***** The check point for service.
(Legend silk indication on the PCB.)



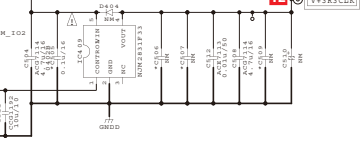
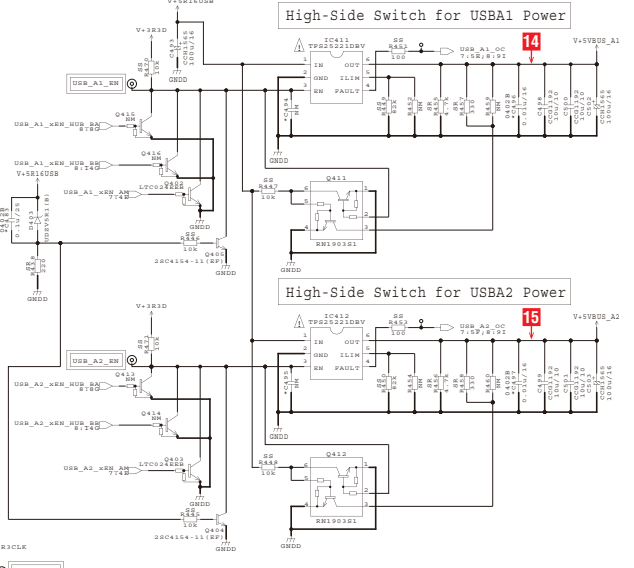
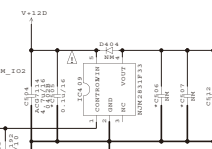
High-Side Switch for V+5LED



Regulator 3.3V=>1.1V(D)



Regulator 12V=>3.3V(CLK)

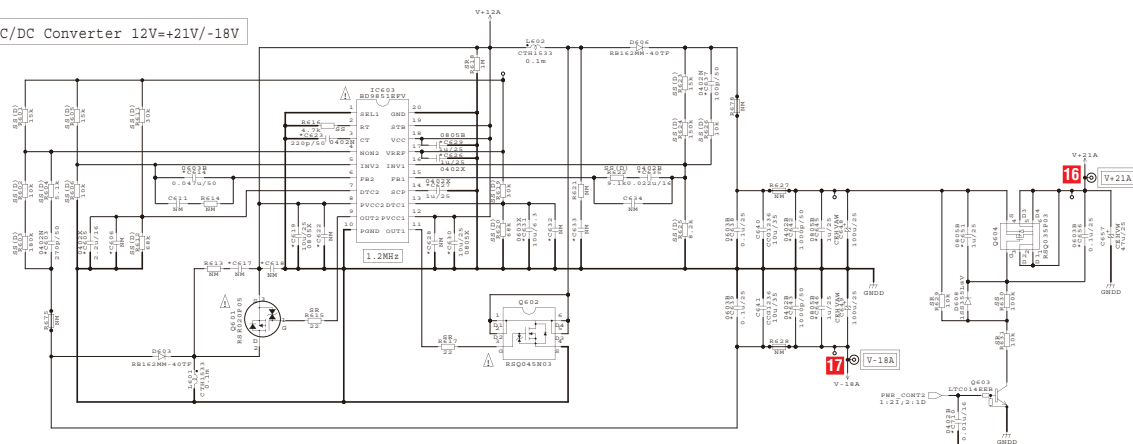


DJM-S11

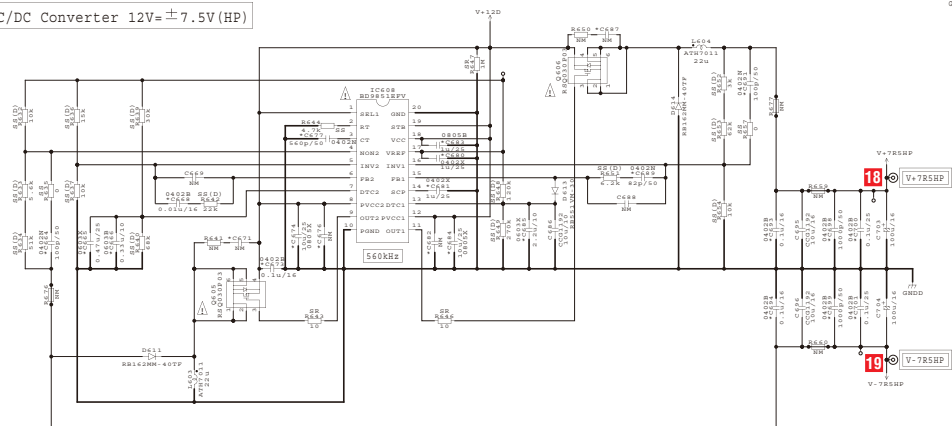
C 3/16 MAIN ASSY (DJM-S11) (DWX4415) MAIN ASSY (DJM-S11-SE) (DWX4513)

ANALOG POWER BLOCK

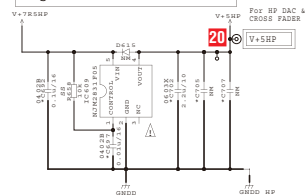
DC/DC Converter 12V=>21V/-18V



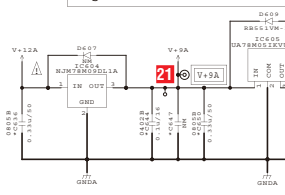
DC/DC Converter 12V=>7.5V (HP)



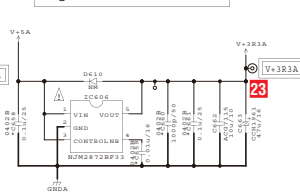
Regulator 7.5V=>5V (HP)



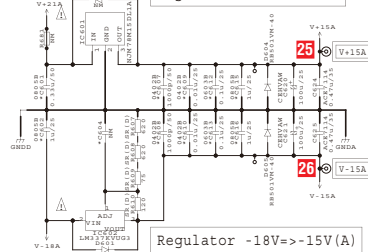
Regulator 12V=>9V=>5V (A)



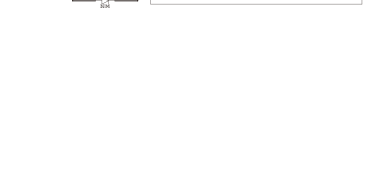
Regulator 5V=>3.3V (A)



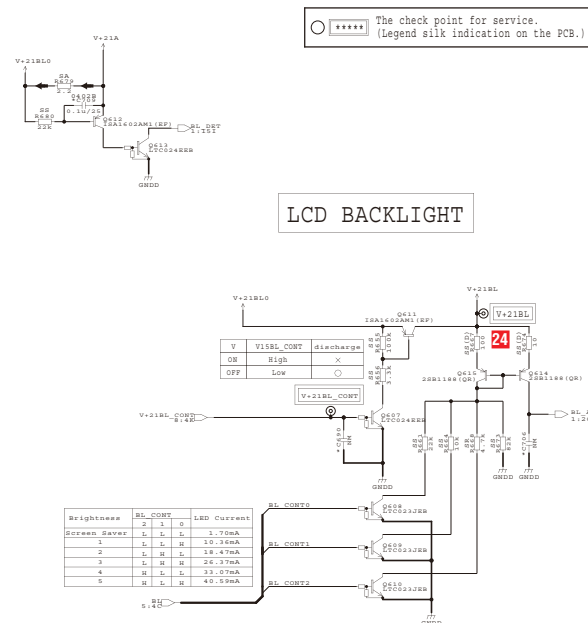
Regulator 18V=>15V (A)



Regulator -18V=>-15V (A)



LCD BACKLIGHT



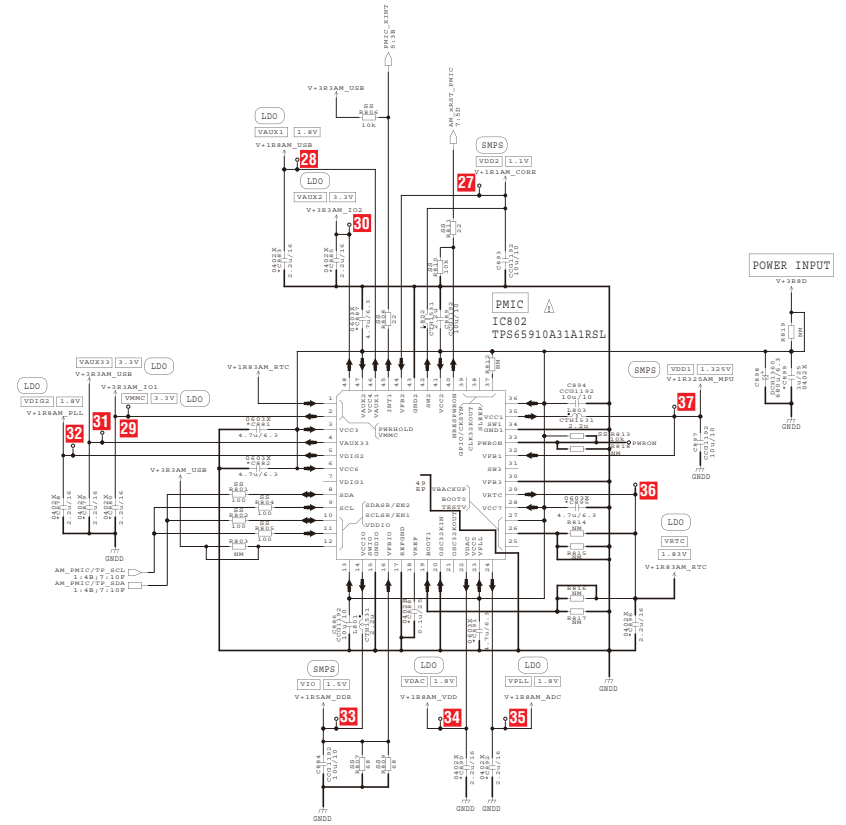
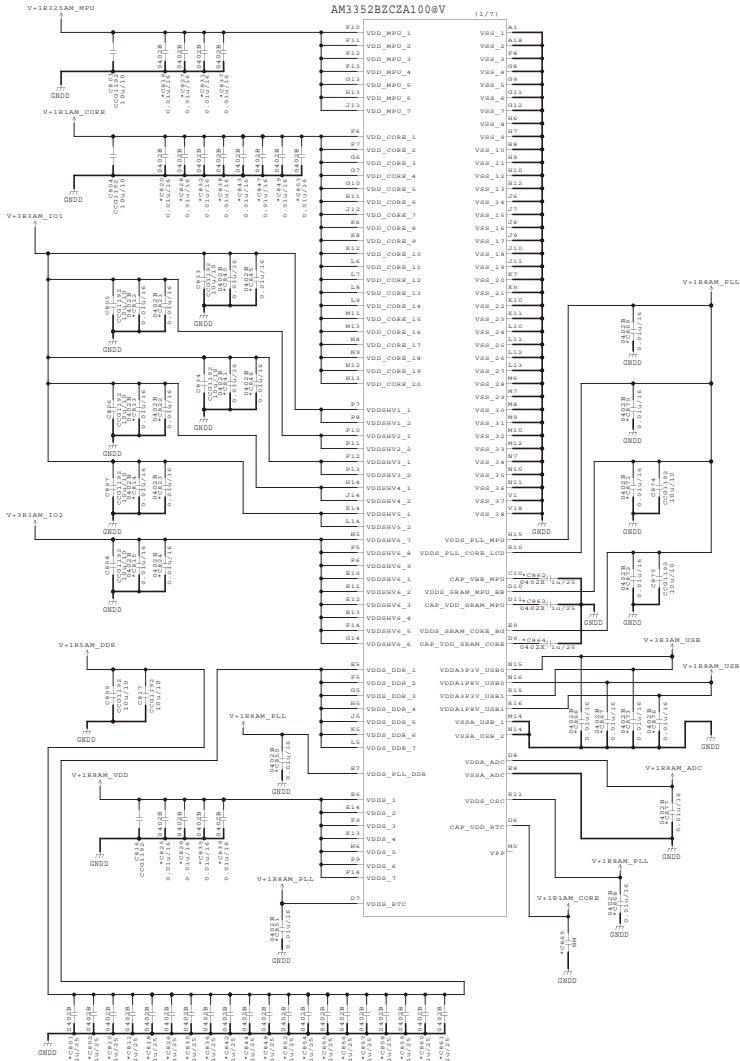
○ ***** The check point for service.
(Legend silk indication on the PCB.)

C4/16 MAIN ASSY (DJM-S11) (DWX4415)
MAIN ASSY (DJM-S11-SE) (DWX4513)

○ The check point for service.
(Legend silk indication on the PCB.)

AM POWER BLOCK

IC801
AM3352BZCZA100@V (1/7)

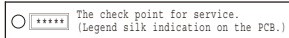


DJM-S11

C 5/16 MAIN ASSY (DJM-S11) (DWX4415)
MAIN ASSY (DJM-S11-SE) (DWX4513)



C 6/16




AM(MAIN_UCOM) (2/7)
IC801
AM3352BZCZA100@V

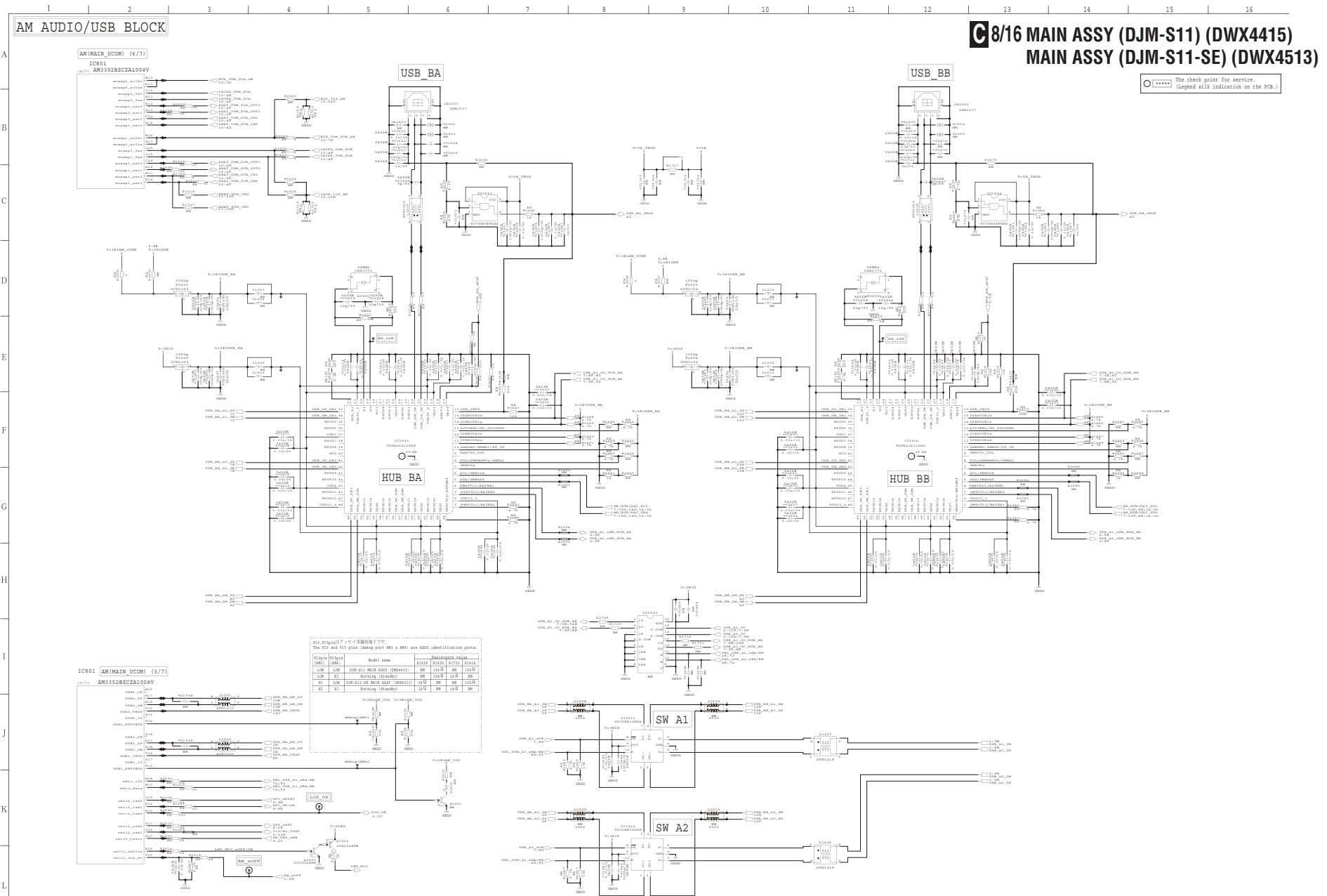
DJM-S11

C 6/16

C 7/16

○  The check point for service.
(Legend silk indication on the PCB.)





C 9/16

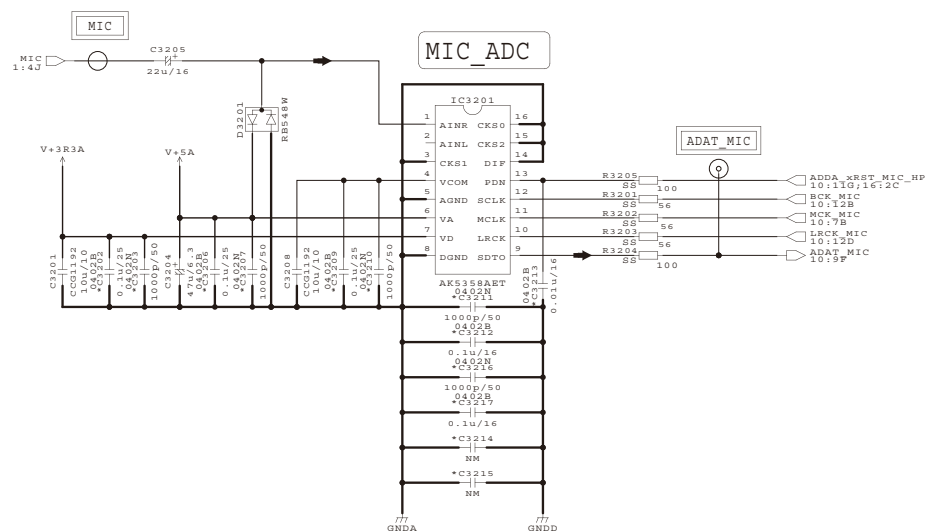


C 11/16



C 12/16 MAIN ASSY (DJM-S11) (DWX4415)
MAIN ASSY (DJM-S11-SE) (DWX4513)

○ The check point for service.
(Legend silk indication on the PCB.)



MIC ADC BLOCK

MIC ADC

ADAT_MIC

DJM-S11

C13/16 MAIN ASSY (DJM-S11) (DWX4415)
MAIN ASSY (DJM-S11-SE) (DWX4513)

AUX ADC BLOCK

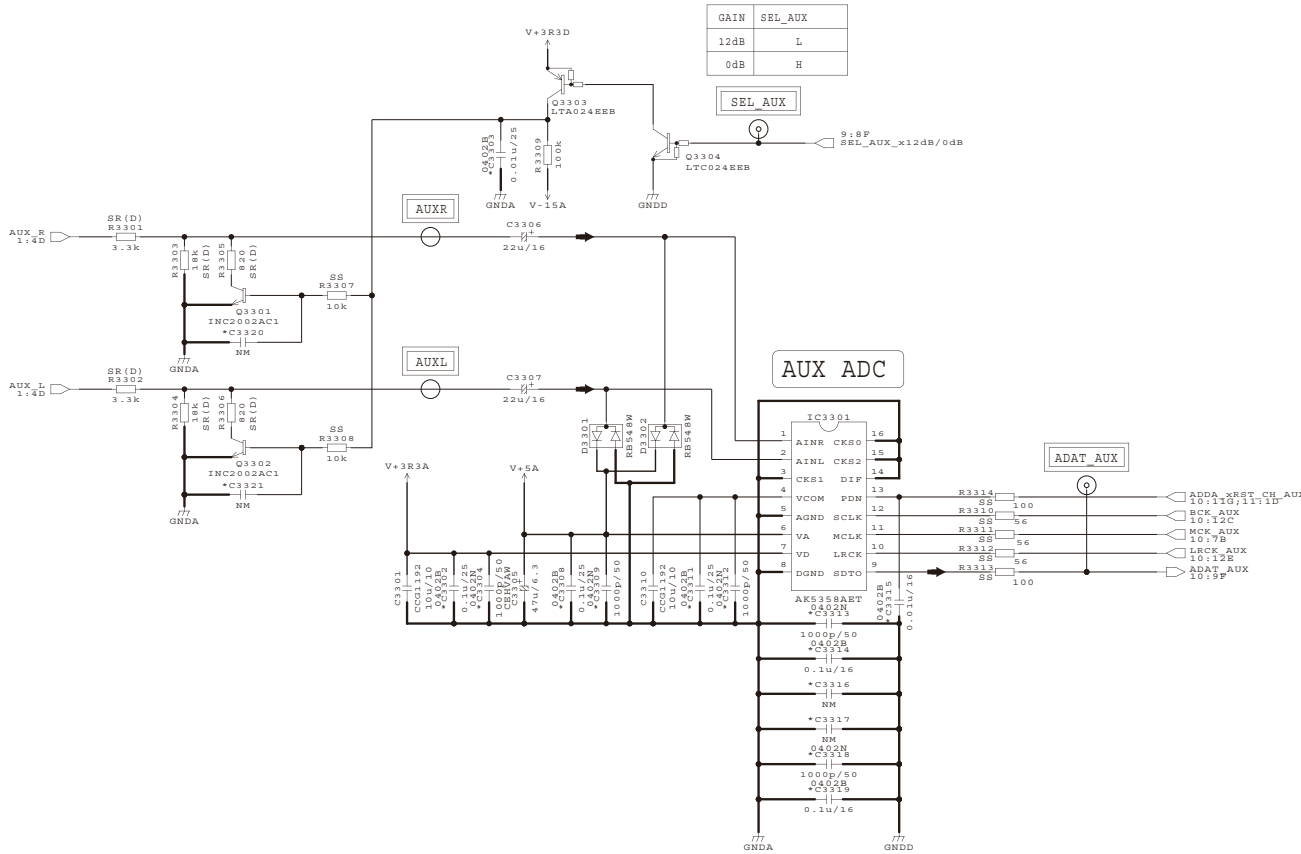
○ **** The check point for service.
 (Legend silk indication on the PCB.)

GAIN	SEL_AUX
12dB	L
0dB	H

SEL_AUX

AUX ADC

ADAT_AUX



○ The check point for service.
(Legend silk indication on the PCB.)



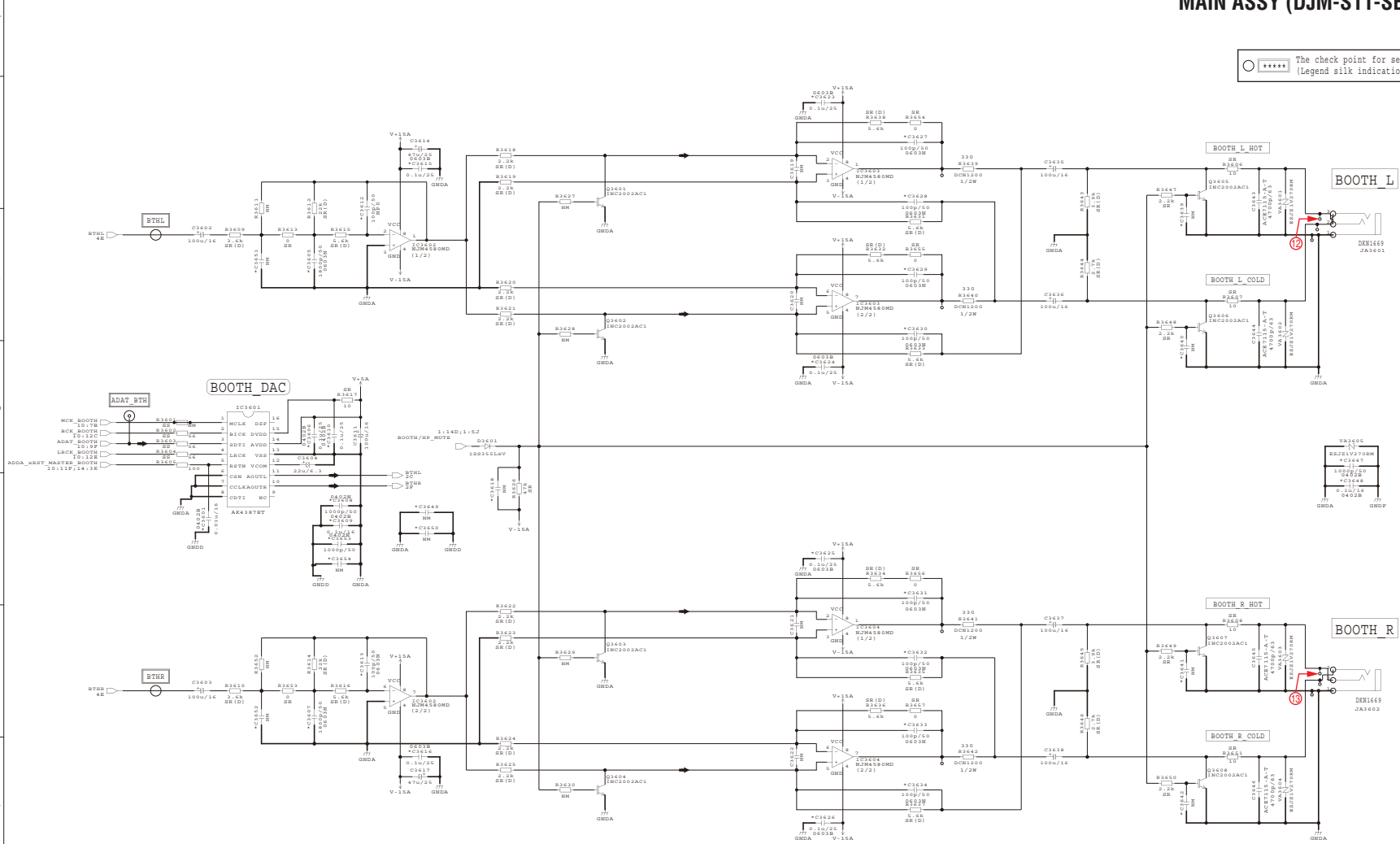
23

C 14/16

C 14/16

C15/16 MAIN ASSY (DJM-S11) (DWX4415)
MAIN ASSY (DJM-S11-SE) (DWX4513)

○**** The check point for service.
(Legend silk indication on the PCB.)

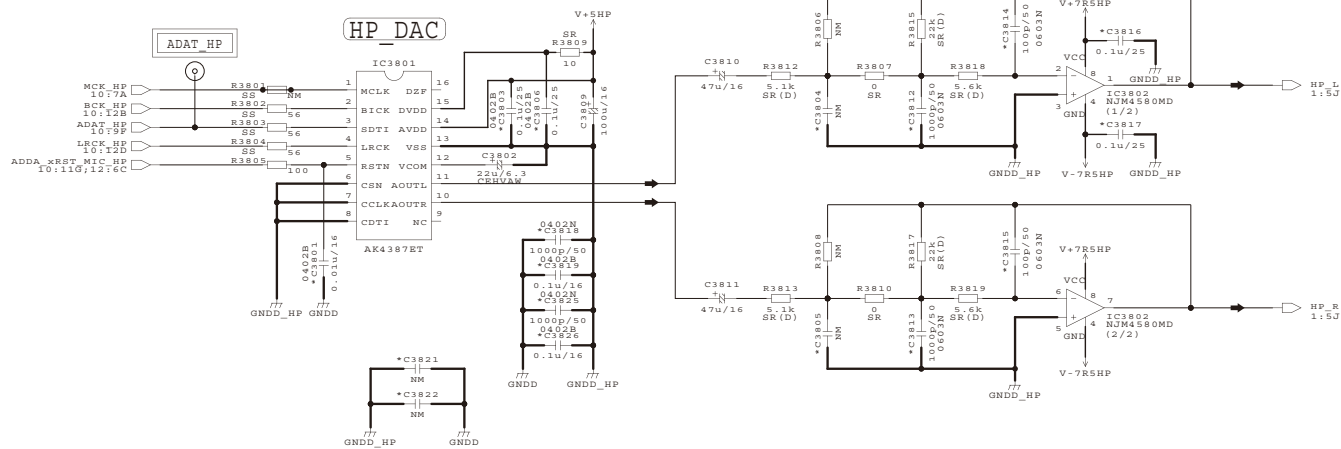
BOOTH DAC BLOCK

SHEILD CASE (PHONE) DMF2802-1

C 16/16 MAIN ASSY (DJM-S11) (DWX4415)
MAIN ASSY (DJM-S11-SE) (DWX4513)

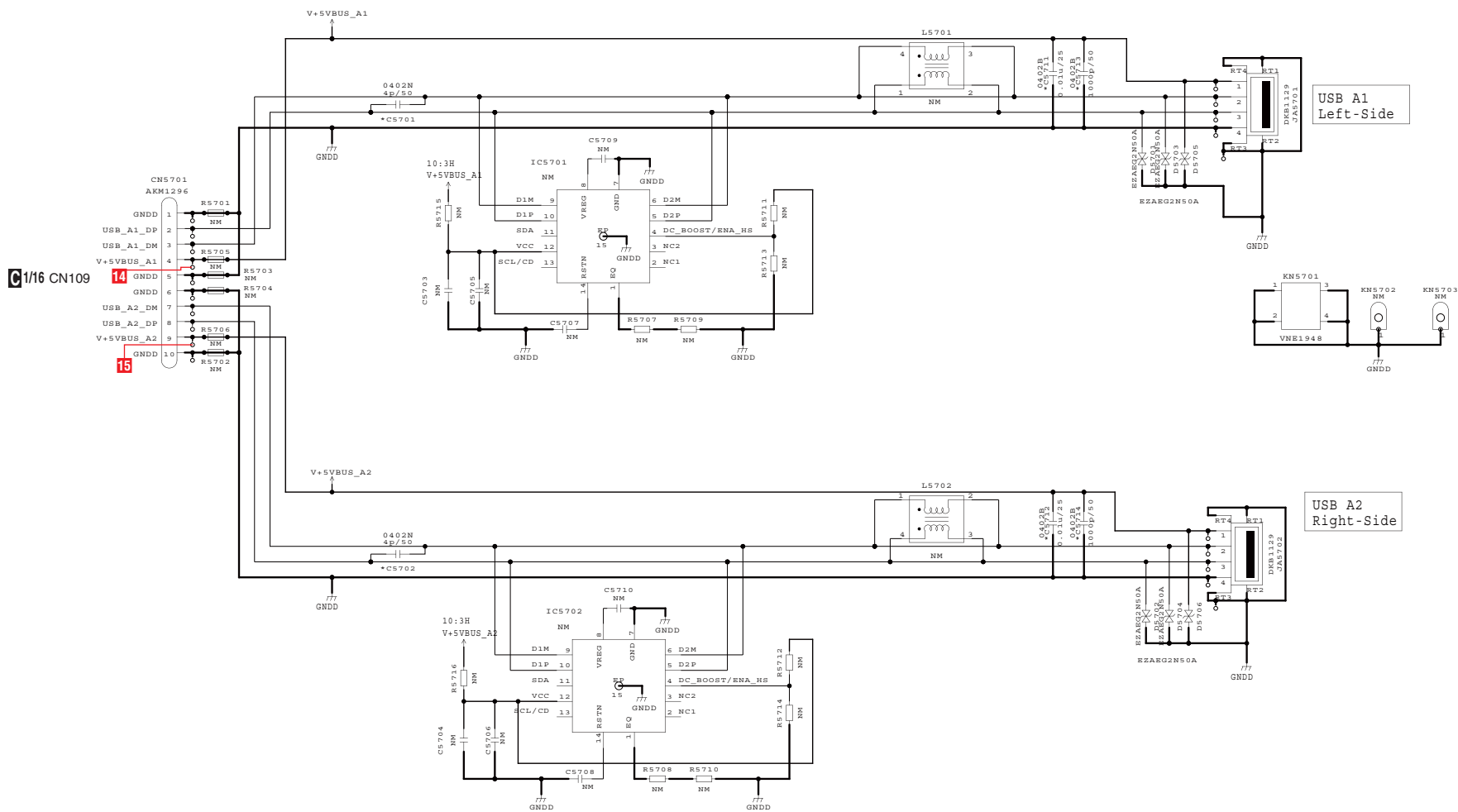
○ ***** The check point for service.
 (Legend silk indication on the PCB.)

HEADPHONE DAC BLOCK



DJM-S11

D USB ASSY (DWX4421)



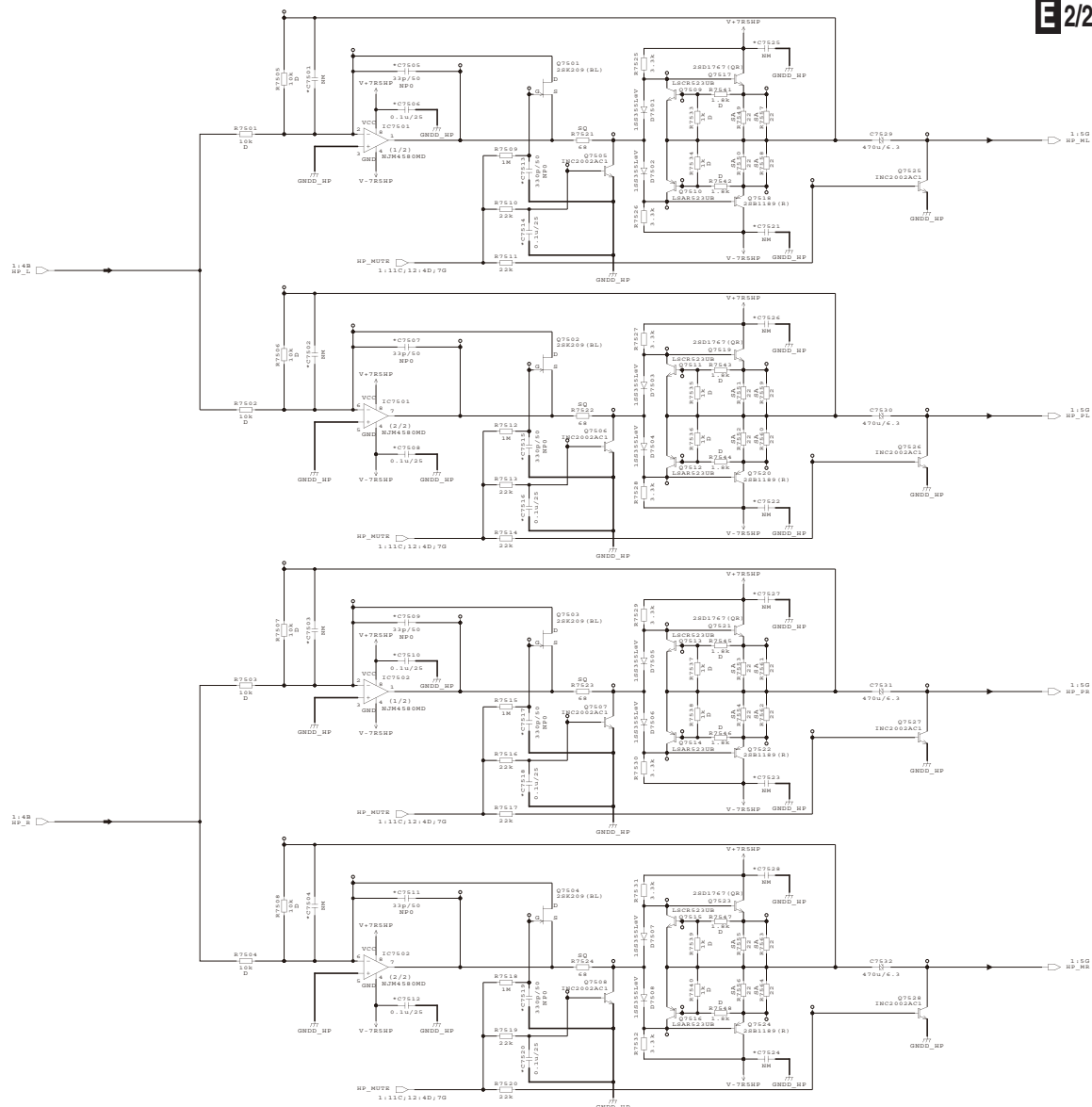
*CAPACITORS
Indicated in Capacity/Voltage(V)
unless otherwise noted. u: μ F, p: pF








*RESISTORS
Indicated in Ω , $\pm 5\%$ tolerance
unless otherwise noted. k: k Ω , M: M Ω .

NOTES

NM is No Mount

PAD	DWM2750
USBA	DWX4421
PCB	DNP2988



NOTES	
	NM is No Mount
	RS1/10SR***
D 	RS1/10SR***
SQ 	RS1/8SQ680J
SA 	RS1/4SA220J
	CG03B***K
NPO 	CG03N***J
	CEANP471M6

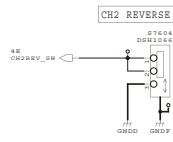
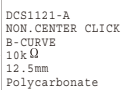
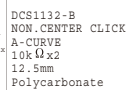
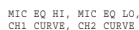
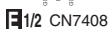
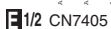
HPAMP

*CAPACITORS
Indicated in Capacity/Voltage(V)
unless otherwise noted. u: μF , p: pF

*RESISTORS
Indicated in Ω , $\pm 5\%$ tolerance
unless otherwise noted. k: $k\Omega$, M: $M\Omega$

INPUT	DWM2752- /J
HPAMP	DWX4429- /J
PCR	DNP2990-

G

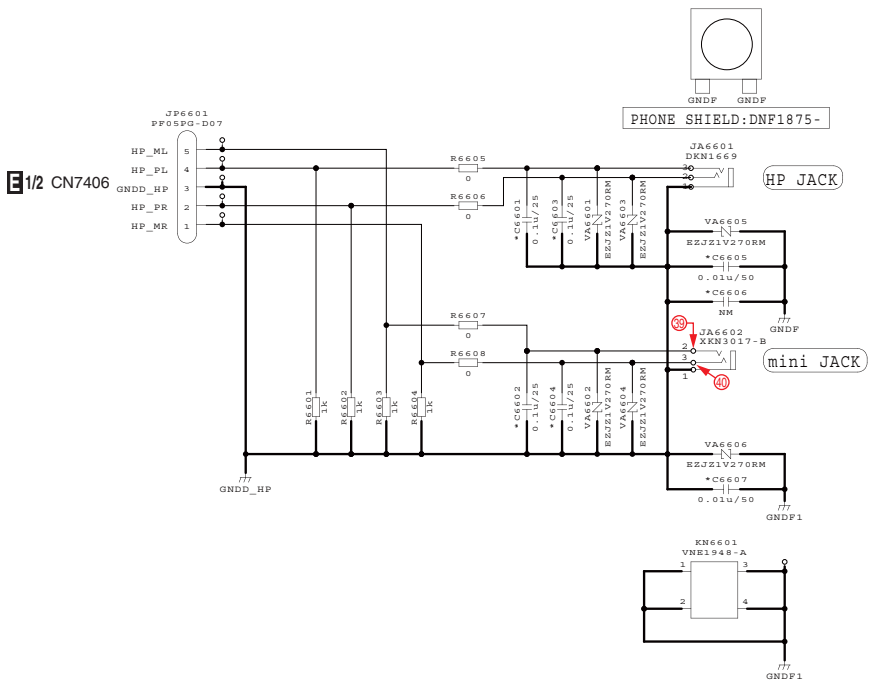


*CAPACITORS
Indicated in Capacity/Voltage(V)
unless otherwise noted. u: μF , p: pF

*RESISTORS
Indicated in Ω , \pm tolerance
unless otherwise noted. k:k Ω , M:M Ω

INPUT	DWM2752- /J
FRVR	DWX4425- /J
PCB	DNP2990-

H HPJK ASSY (DWX4426)



HPJK

PANEL	DWM2751- /J
HPJK	DWX4426- /J
PCB	DNP2989-

NOTES

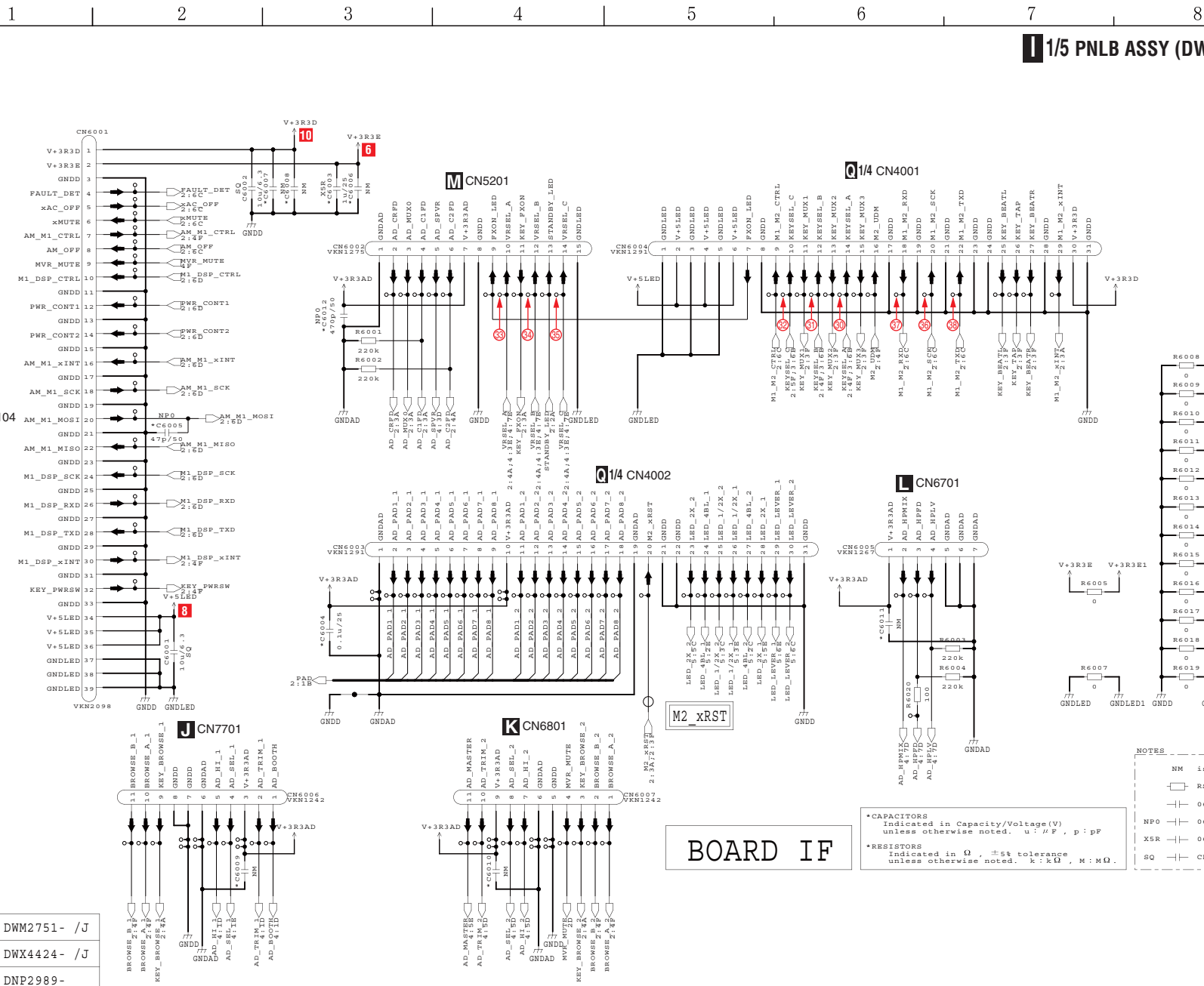
NM is No Mount

RS1/10SR***J

0603B***K

*CAPACITORS
Indicated in Capacity/Voltage(V)
unless otherwise noted. u: μF , p: pF

*RESISTORS
Indicated in Ω , $\pm 5\%$ tolerance
unless otherwise noted. k: k Ω , M: M Ω .








PANEL	DWM2751- /J
PNLB	DWX4424- /J
PCB	DNP2989-

BOARD IF




```
*CAPACITORS
  Indicated in Capacity/Voltage(V)
  unless otherwise noted.  u :  $\mu F$  , p : pF

*RESISTORS
  Indicated in  $\Omega$  ,  $\pm 5\%$  tolerance
  unless otherwise noted.  k : k $\Omega$  , M : M $\Omega$ 
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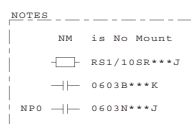
NOTES	
NM	is No Mount
	RS1/10SR***
	0603B***K
NP0 	0603N***J
X5R 	0603X105K
SQ 	CKSQYB106K

1



NOTES	
NM	is No Mount
	RS1/10SR***J
	0603B***K
NPO 	0603N***J

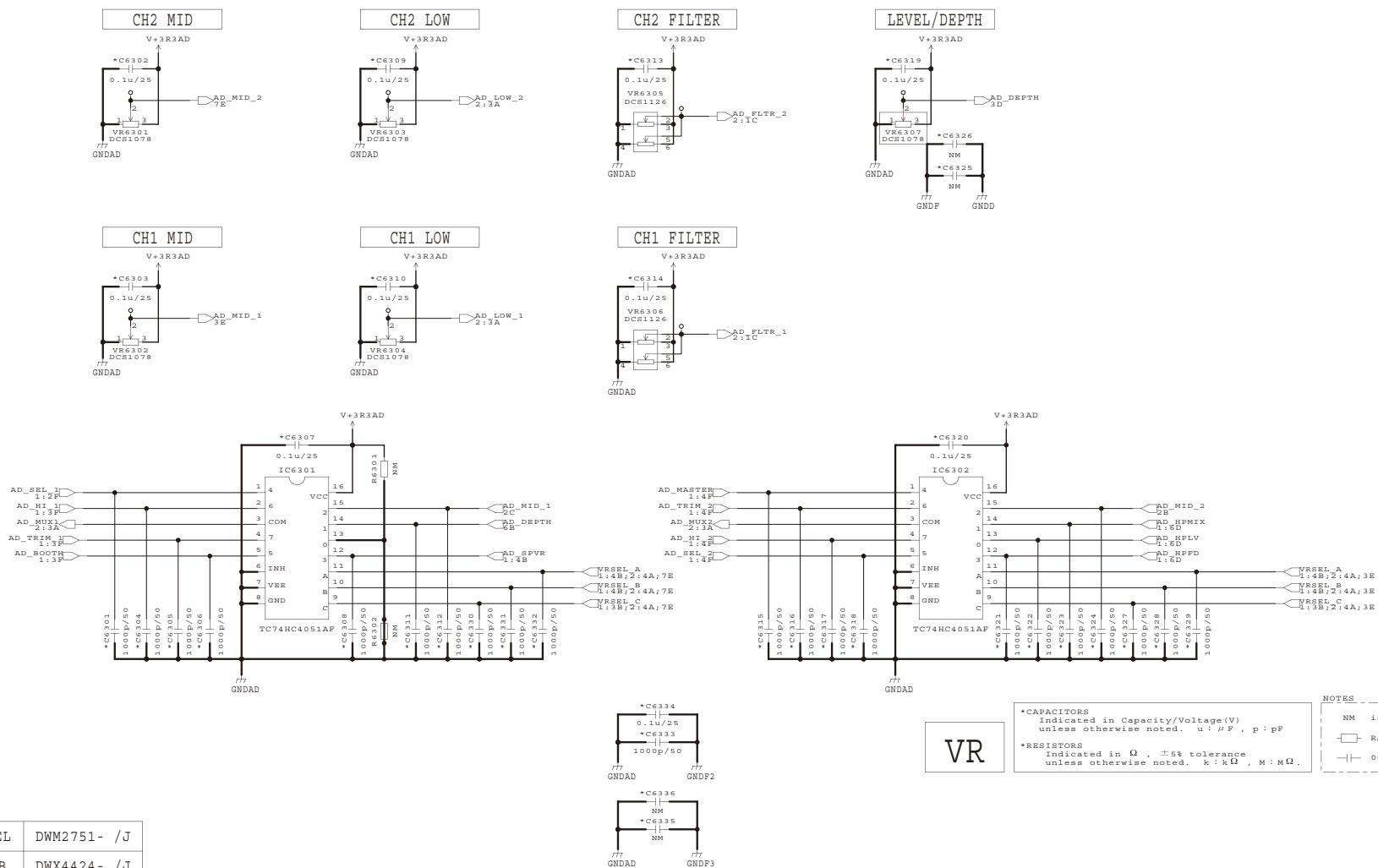
PANEL	DWM2751- /J
PNLB	DWX4424- /J
PCB	DNP2989-



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*CAPACITORS
  Indicated in Capacity/Voltage(V)
  unless otherwise noted.  u :  $\mu F$  , p : pF

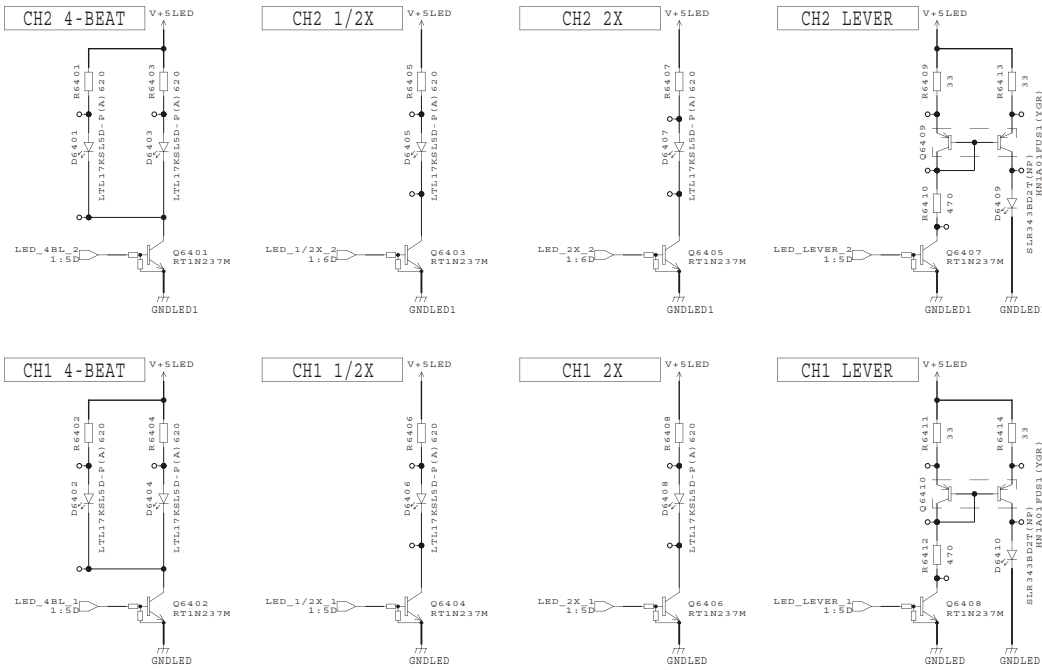
*RESISTORS
  Indicated in  $\Omega$  ,  $\pm 5\%$  tolerance
  unless otherwise noted.  k :  $k\Omega$  , M :  $M\Omega$ 
```

4/5 PNLB ASSY (DWX4424)



PANEL	DWM2751- /J
PNLB	DWX4424- /J
PCB	DNP2989-

5/5 PNLB ASSY (DWX4424)



LED

*CAPACITORS
Indicated in Capacity/Voltage(V)
unless otherwise noted. u: μF , p: pF
*RESISTORS
Indicated in Ω , $\pm 5\%$ tolerance
unless otherwise noted. k: k Ω , M: M Ω .

NOTES

RS1/10SR***J

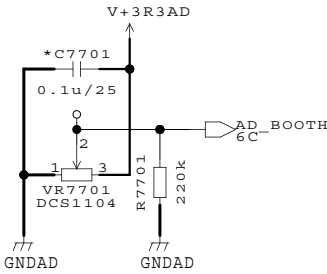
PANEL	DWM2751- /J
PNLB	DWX4424- /J
PCB	DNP2989-

10.33 PNLL ASSY

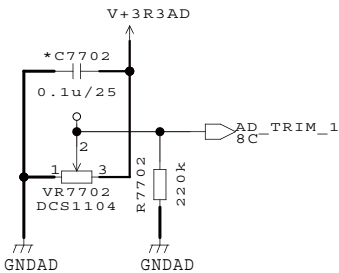
PNLL ASSY (DWX4431)

PNLL

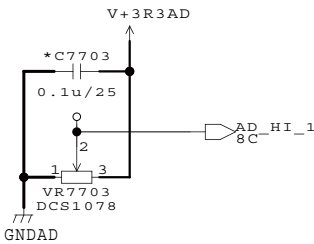
BOOTH LEVEL



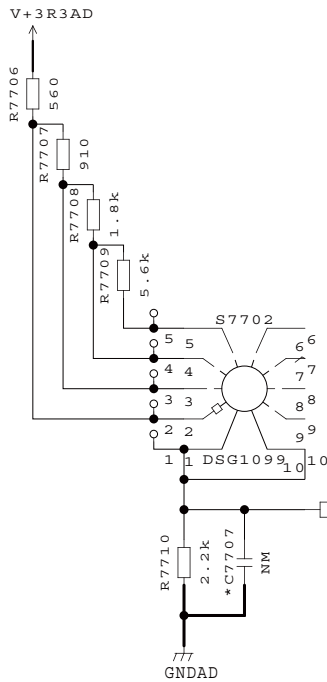
CH1 TRIM



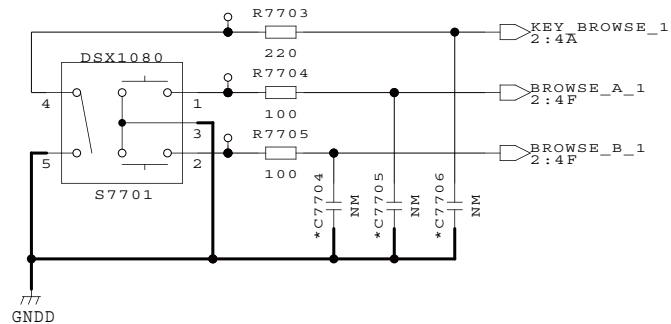
CH1 HI



CH1 SELECT



CH1 BROWSE



NOTES

NM is No Mount

RS1/10SR***J

0603B***K

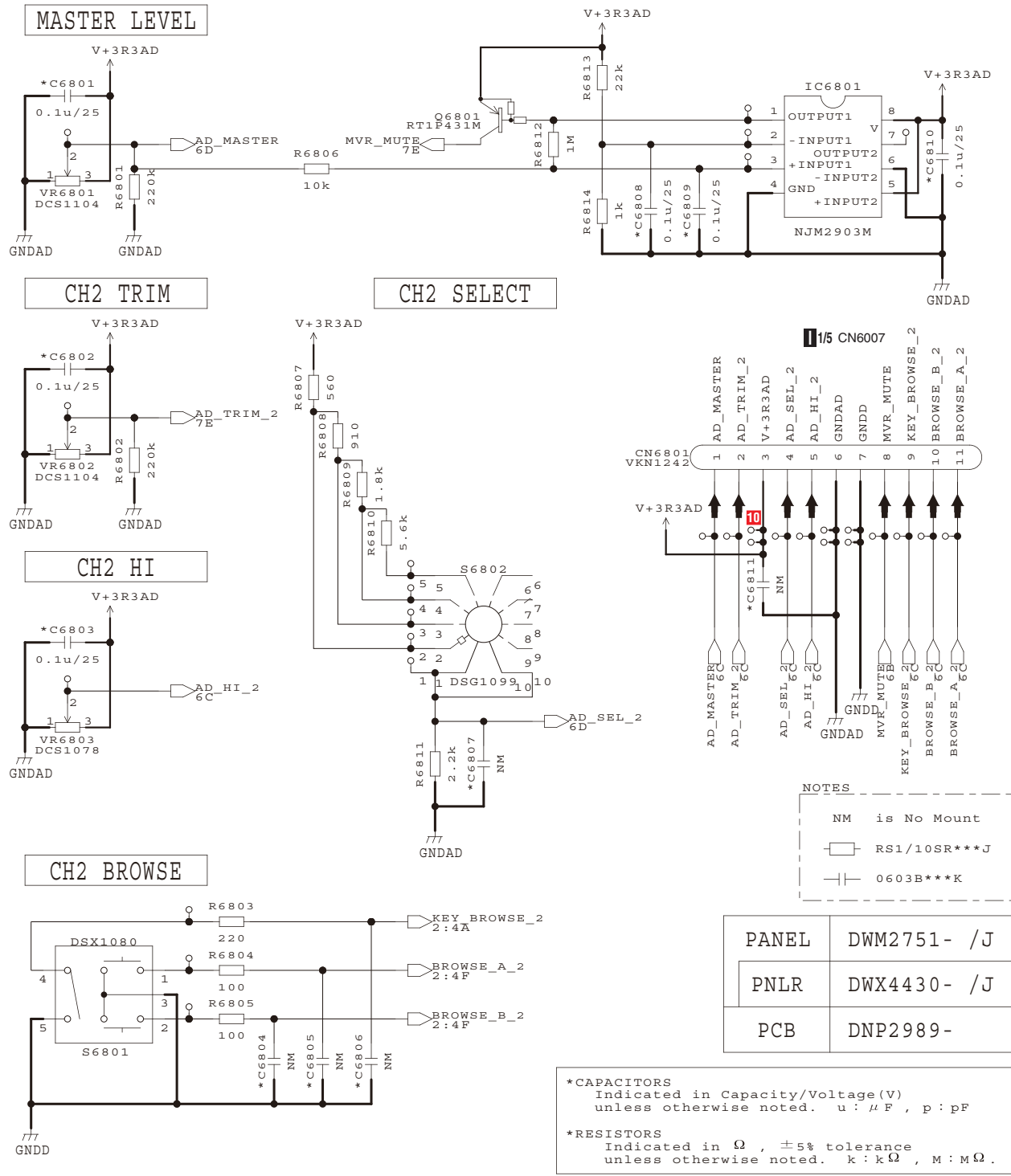
*CAPACITORS
Indicated in Capacity/Voltage(V)
unless otherwise noted. u: μ F, p: pF

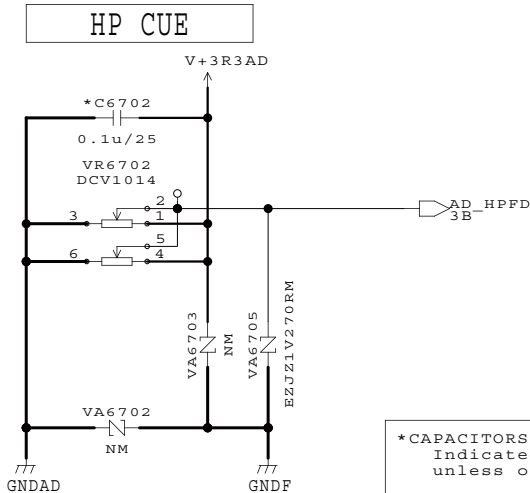
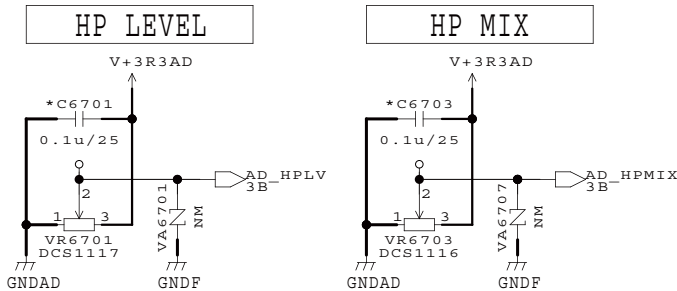
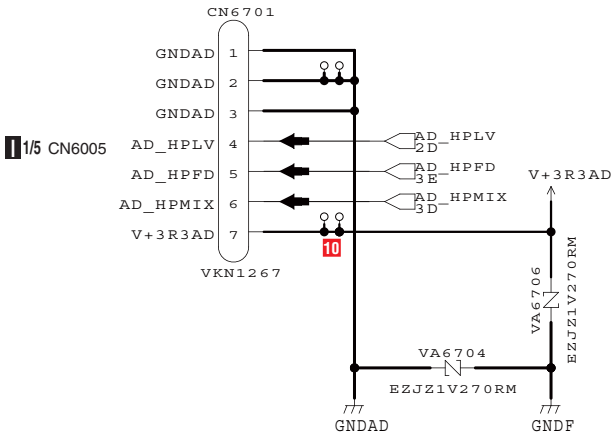
*RESISTORS
Indicated in Ω , $\pm 5\%$ tolerance
unless otherwise noted. k: k Ω , M: M Ω .

INPUT	DWM2752- /J
PNLL	DWX4431- /J
PCB	DNP2990-

PNLR

K PNLR ASSY (DWX4430)





NOTES

NM is No Mount

0603B***K

PANEL	DWM2751- /J
HPFD	DWX4427- /J
PCB	DNP2989-

*CAPACITORS
Indicated in Capacity/Voltage(V)
unless otherwise noted. u : μ F , p : pF

*RESISTORS
Indicated in Ω , $\pm 5\%$ tolerance
unless otherwise noted. k : k Ω , M : M Ω .

HPFD

A



PAD	DWM2750- /J
SPVR	DWX4422- /J
PCB	DNP2988-

10.37 CRFD, C1FD and C2FD ASSYS

N CRFD ASSY (DWX4418)

A

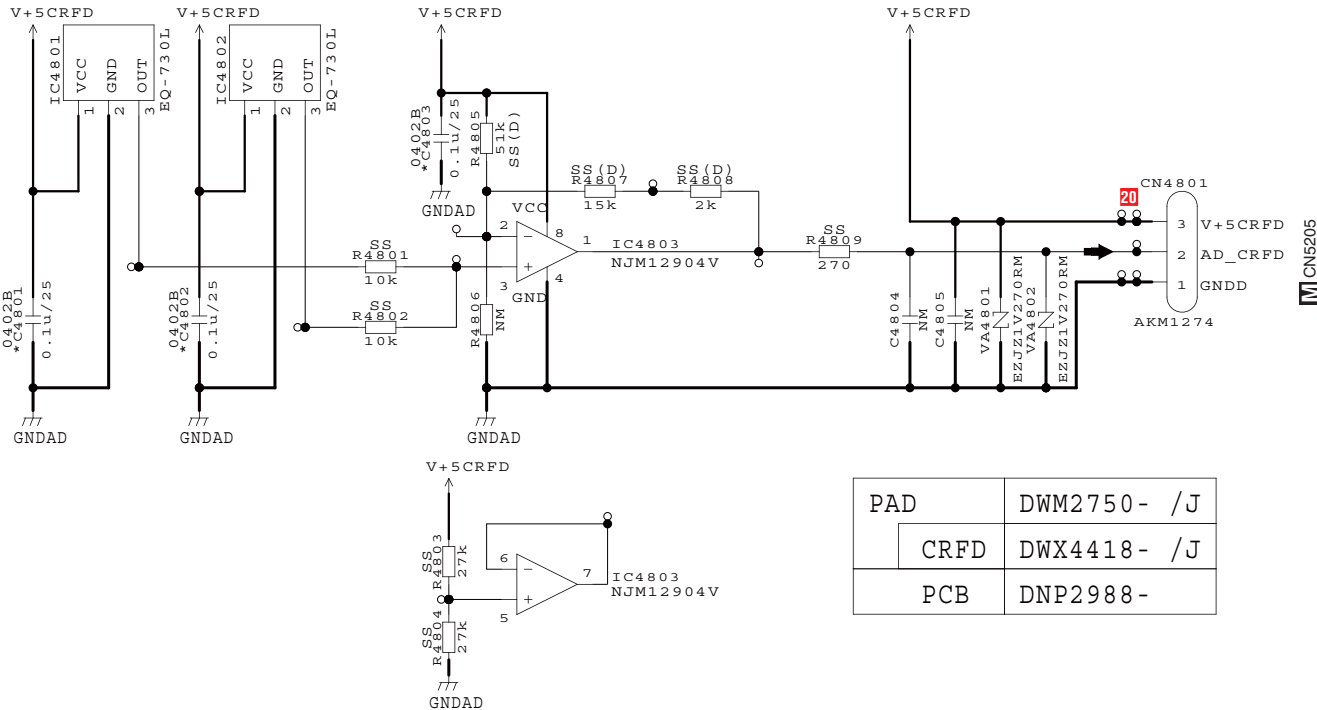
B

C

D

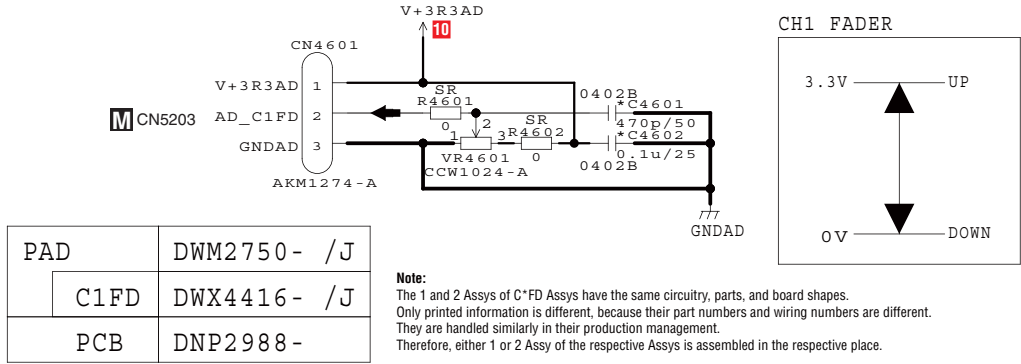
E

F



PAD	DWM2750- /J
CRFD	DWX4418- /J
PCB	DNP2988-

O C1FD ASSY (DWX4416)

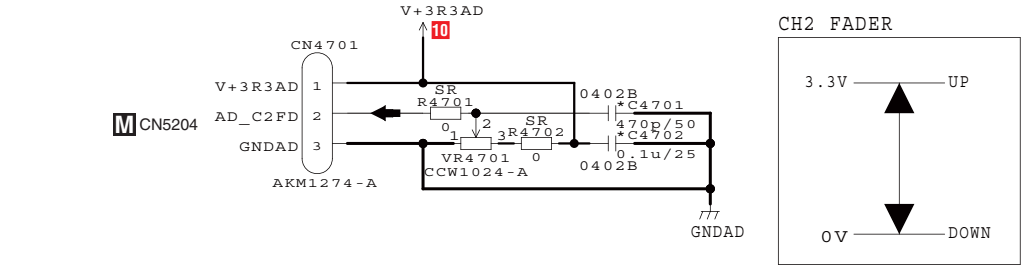


PAD	DWM2750- /J
C1FD	DWX4416- /J
PCB	DNP2988-

Note:
The 1 and 2 Assys of C*FD Assys have the same circuitry, parts, and board shapes.
Only printed information is different, because their part numbers and wiring numbers are different.
They are handled similarly in their production management.
Therefore, either 1 or 2 Assys of the respective Assys is assembled in the respective place.


注意:
C*FD Assy の 1 と 2 は回路そのもの、仕様部品、基板形状は同じです。
部品番号と配線番号が違いため印刷内容が異なります。
生産上は 1 と 2 の ASSY を管理していません。
このためそれぞれの場所には 1 と 2 のどちらかの ASSY が配置されています。


P C2FD ASSY (DWX4417)



PAD	DWM2750- /J
C2FD	DWX4417- /J
PCB	DNP2988-

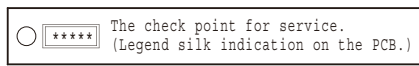
NOTES

SR  RS1/10SR***J

0402B  0402B***K

***CAPACITORS**
Indicated in Capacity/Voltage(V)
unless otherwise noted. u: μF , p: pF

***RESISTORS**
Indicated in Ω , $\pm 5\%$ tolerance
unless otherwise noted. k: k Ω , M: M Ω .

R TAPB ASSY (DWX4433)

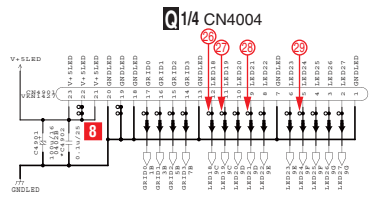
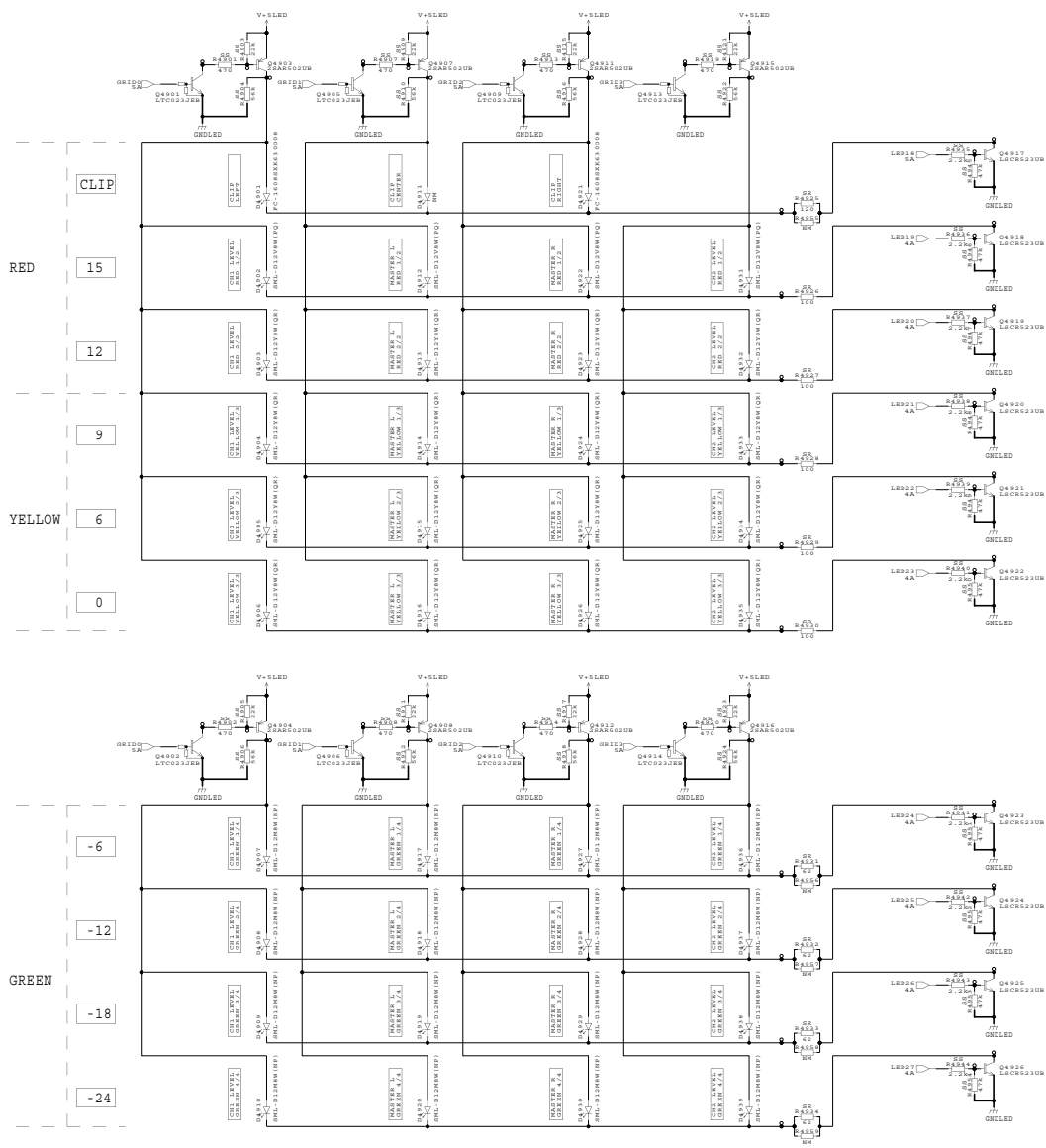
Q 2/4 **R**

Q4/4

DJM-S11

Q 4/4

LVMT ASSY (DWX4423)



*CAPACITORS		Indicated in Capacity/Voltage (V)	
		unless otherwise noted. u: μ F, p: pF	
*RESISTORS		Indicated in Ω , $\%$ tolerance	
		unless otherwise noted. R: $\times 10^3$, M: $\times 10^6$	
PAD	DWM2750-	/J	
LVMT	DWX4423-	/J	
PCB	DNP2988-		

NOTES

MM is No Mount

SR SR1/1000***J

SR SR1/1000***J

0402 0402***C

CEVM***

T



NOTES	
NH	is No Mount
	R51 / 1650***J
0402R	0402R***K
0402N	0402N***J
0603R	0603R***K
	CEVW***

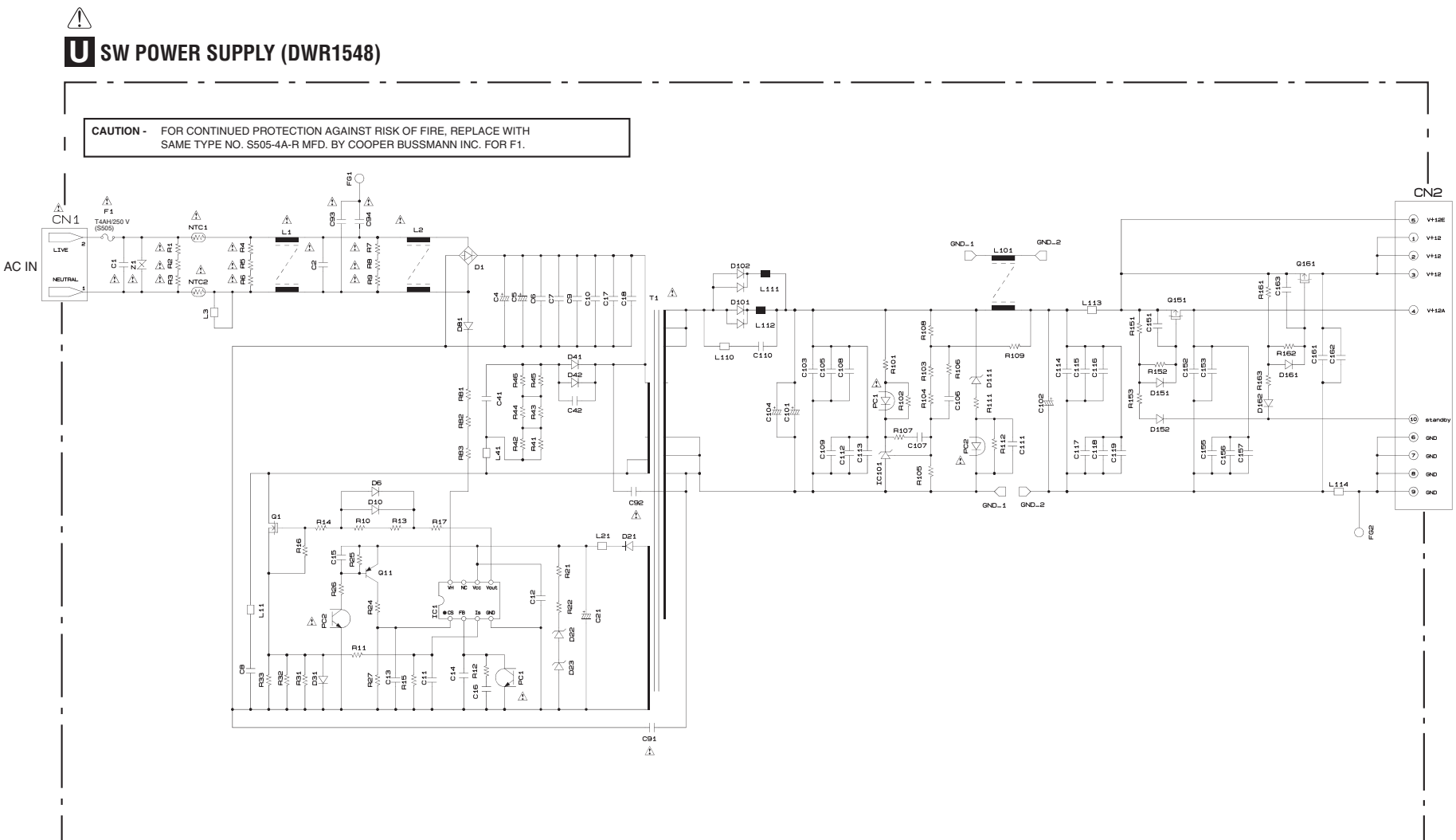
PAD	DWM2750
LCDB	DWX4420
PCB	DNP2988



LCD BLOCK

10.4.44 SW POWER SUPPLY

C 1/16
CN101



10.45 VOLTAGES

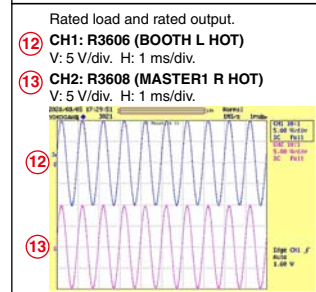
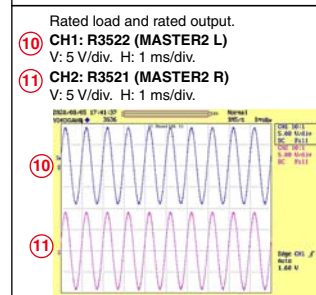
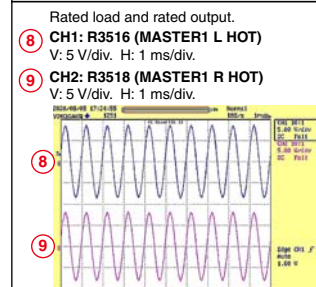
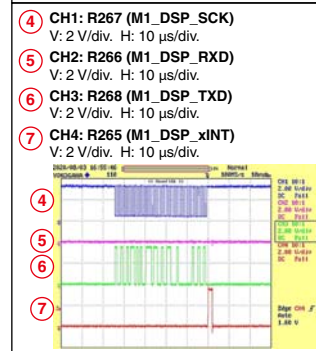
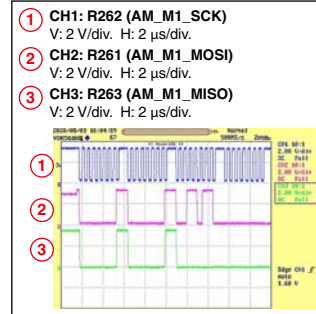
A	Voltage name	Min.	Typ.	Max.	Associated Assy	Measurement point	Remarks	Power Supply at standby (Power SW OFF)
	V+12E	11.4 V	12.0 V	12.6 V	MAIN Assy	1		ON
	V+12LED	11.4 V	12.0 V	12.6 V	MAIN Assy	2		OFF
	V+12D	11.4 V	12.0 V	12.6 V	MAIN Assy	3		OFF
	V+12A	11.4 V	12.0 V	12.6 V	MAIN Assy, INPUT Assy	4		OFF
	V+5E	4.9 V	5.0 V	5.1 V	MAIN Assy	5		ON
	V+3R3E	3.267 V	3.3 V	3.333 V	MAIN Assy, PNLB Assy	6		ON
	V+5D	4.9 V	5.0 V	5.1 V	MAIN Assy	7		OFF
	V+5LED	4.77 V	4.9 V	5.0 V	MAIN Assy, PNLB Assy, PADB Assy, LVMT Assy	8		OFF
B	V+3R8D	3.73 V	3.80 V	3.87 V	MAIN Assy	9		OFF
	V+3R3D (V+3R3D_LCD) (V+3R3AD)	3.24 V	3.30 V	3.36 V	MAIN Assy, HPAMP Assy, FRVR Assy, LCDB Assy, PNLB Assy, PADB Assy, PNLR Assy, PNLL Assy, HPFD Assy, SPVR Assy, C1FD Assy, C2FD Assy	10		OFF
	V+1R285D	1.257 V	1.287 V	1.317 V	MAIN Assy	11		OFF
	V+3R3CLK	3.267 V	3.3 V	3.333 V	MAIN Assy	12		OFF
	V+5R16USB	5.06 V	5.16 V	5.25 V	MAIN Assy	13		OFF
C	V+5VBUS_A1	5.02 V	5.13 V	5.25 V	MAIN Assy, USBA Assy	14	C502	OFF
	V+5VBUS_A2	5.02 V	5.13 V	5.25 V	MAIN Assy, USBA Assy	15	C503	OFF
	V+21A	20.50 V	21.12 V	21.75 V	MAIN Assy	16		OFF
	V-18A	-17.55 V	-18.00 V	-18.46 V	MAIN Assy	17		OFF
	V+7R5HP	7.29 V	7.50 V	7.72 V	MAIN Assy, HPAMP Assy	18		OFF
	V-7R5HP	-7.29 V	-7.49 V	-7.69 V	MAIN Assy, HPAMP Assy	19		OFF
	V+5HP (V+5CRFD)	4.95 V	5.0 V	5.05 V	MAIN Assy, HPAMP Assy, SPVR Assy, CRFD Assy	20		OFF
	V+9A	8.65 V	9.0 V	9.35 V	MAIN Assy	21		OFF
	V+5A	4.8 V	5.0 V	5.2 V	MAIN Assy	22		OFF
	V+3R3A	3.267 V	3.3 V	3.333 V	MAIN Assy	23		OFF
D	V+21BL	20.30 V	20.92 V	21.55 V	MAIN Assy	24		OFF
	V+15A	14.4 V	15.0 V	15.6 V	MAIN Assy, INPUT Assy, HPAMP Assy	25		OFF
	V-15A	-14.46 V	-15.03 V	-15.66 V	MAIN Assy, INPUT Assy, HPAMP Assy	26		OFF
	V+1R1AM_CORE(VDD2)	1.07 V	1.10 V	1.13 V	MAIN Assy	27		OFF
	V+1R8AM_USB(VAUX1)	1.75 V	1.80 V	1.85 V	MAIN Assy	28		OFF
	V+3R3AM_IO1(VMMC)	3.20 V	3.30 V	3.40 V	MAIN Assy	29		OFF
	V+3R3AM_IO2(VAUX2)	3.20 V	3.30 V	3.40 V	MAIN Assy	30		OFF
	V+3R3AM_USB(VAUX33)	3.20 V	3.30 V	3.40 V	MAIN Assy	31		OFF
	V+1R8AM_PLL(VDIG2)	1.75 V	1.80 V	1.85 V	MAIN Assy	32		OFF
E	V+1R5AM_DDR(VIO)	1.46 V	1.50 V	1.55 V	MAIN Assy	33		OFF
	V+1R8AM_VDD(VDAC)	1.75 V	1.80 V	1.85 V	MAIN Assy	34		OFF
	V+1R8AM_ADC(VPLL)	1.75 V	1.80 V	1.85 V	MAIN Assy	35		OFF
	V+1R83AM_RTC(VRTC)	1.78 V	1.83 V	1.88 V	MAIN Assy	36		OFF
	V+1R325AM_MPU(VDD1)	1.29 V	1.325 V	1.36 V	MAIN Assy	37		OFF
	V+3R3A_AVCC	3.267 V	3.3 V	3.333 V	MAIN Assy	38	C3416	OFF
	V+3R3A_VCCA	3.267 V	3.3 V	3.333 V	MAIN Assy	39	C3417	OFF
	V+3R3A_DVCC	3.267 V	3.3 V	3.333 V	MAIN Assy	40	C3418	OFF

10.46 WAVEFORMS

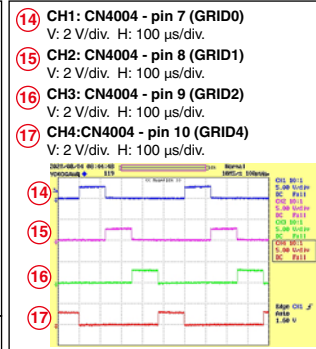
NOTE: The following waveforms were measured at the point of the corresponding balloon number in the schematic diagram and PCB diagram.

注意: ○で囲まれた数字は回路図及びPCB図の各測定ポイントの番号を示します。

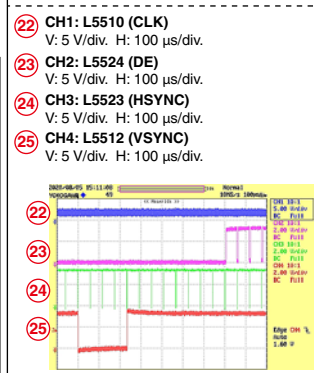
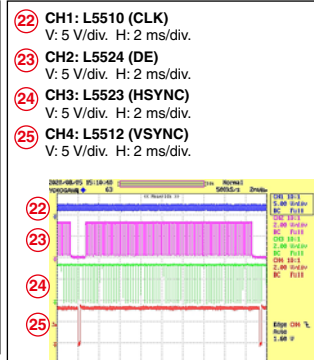
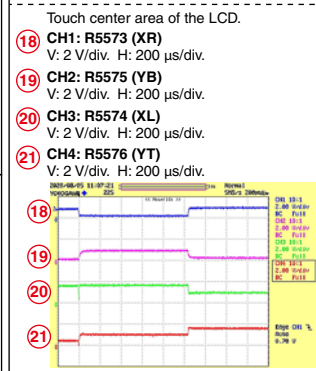
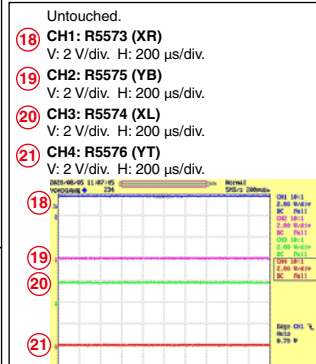
MAIN ASSY



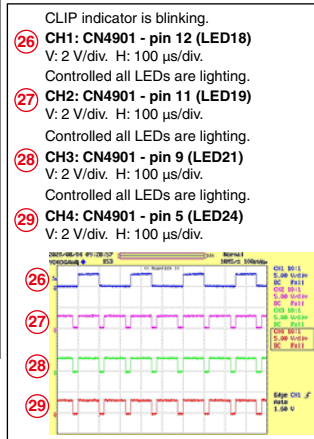
PADB ASSY



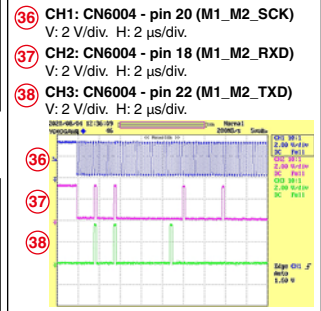
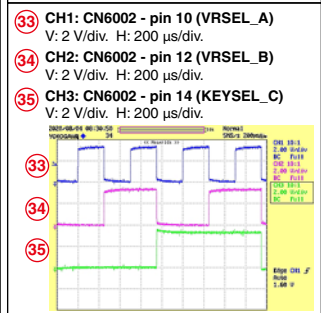
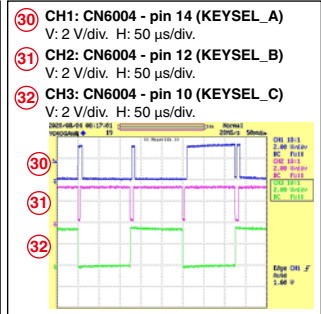
LCDB ASSY



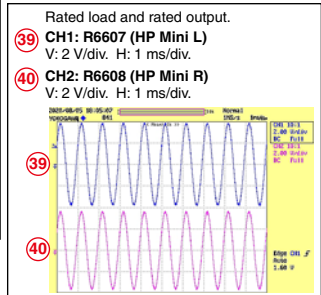
SLVMT ASSY



PNLB ASSY



HPJK ASSY

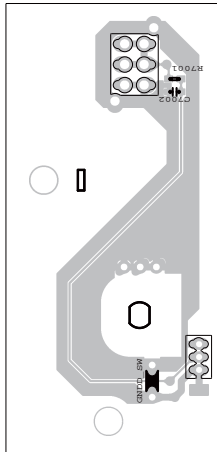
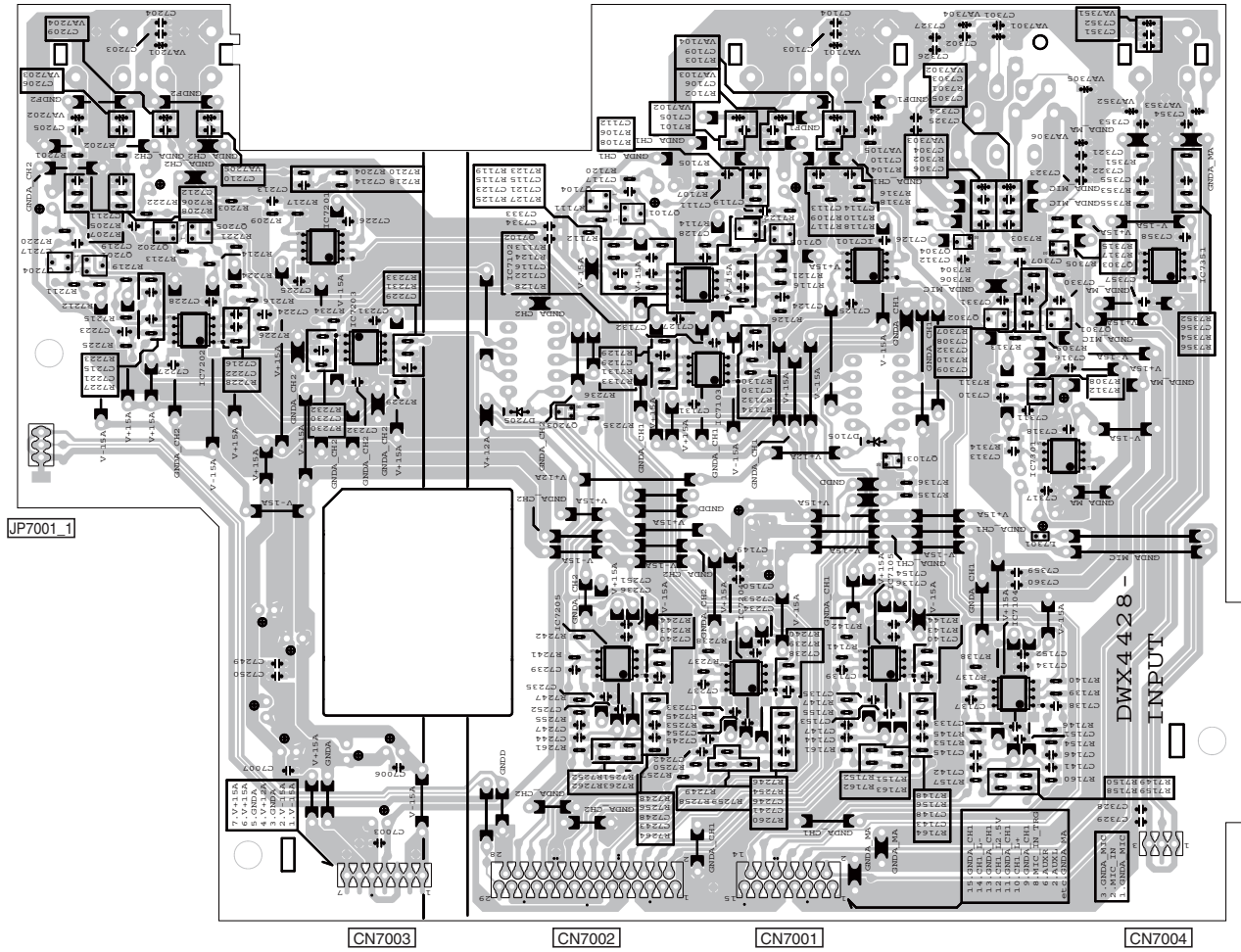


A B

SIDE B

SIDE B

A INPUT ASSY (1/2)



B INPUT ASSY (2/2)

(DNP2990-A)

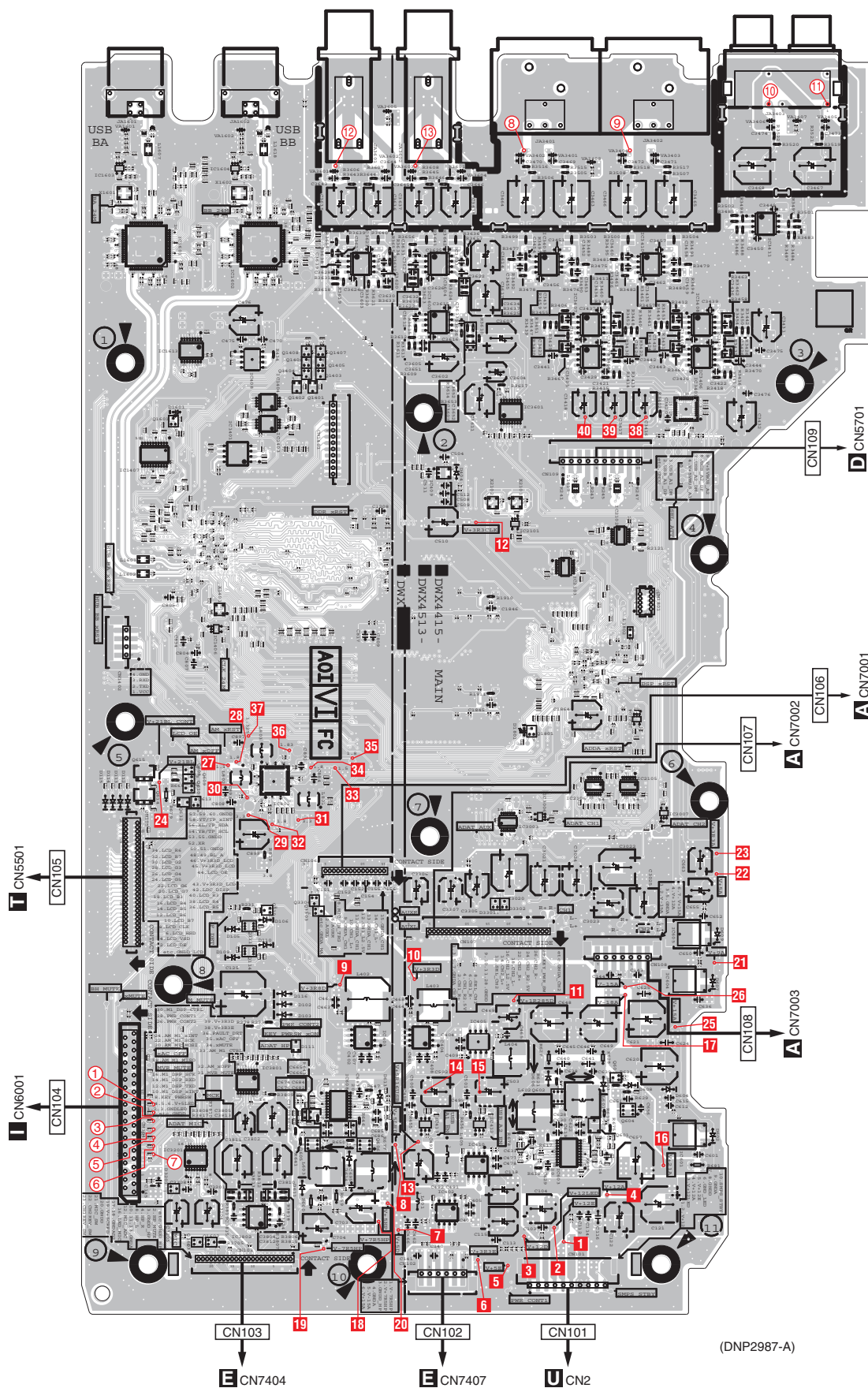
A B

A B

DJM-S11

SIDE A

C MAIN ASSY



(DNP2987-A)

C

SIDE B

SIDE B

C MAIN ASSY

A

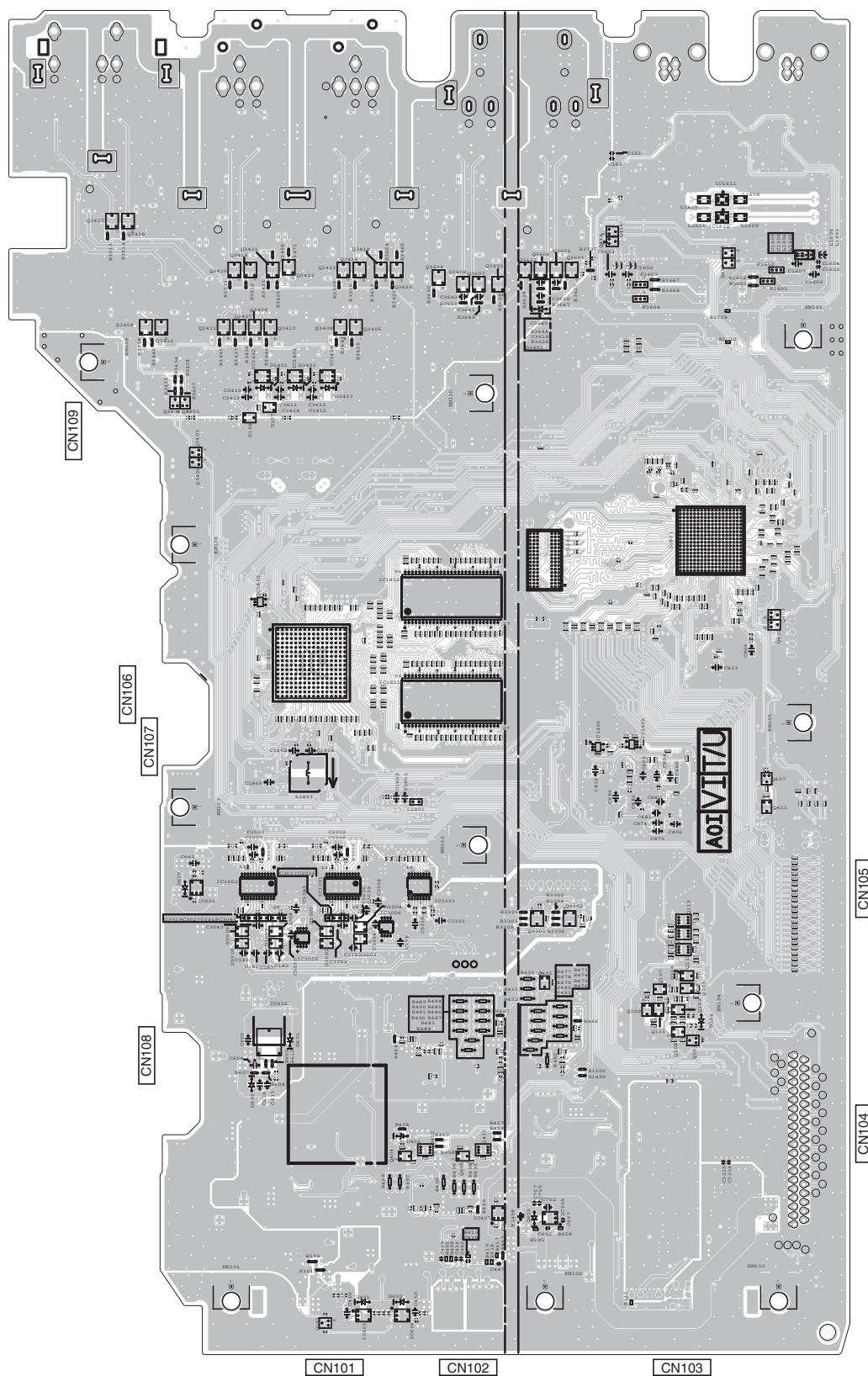
B

C

D

F

F



(DNP2987-A)

C

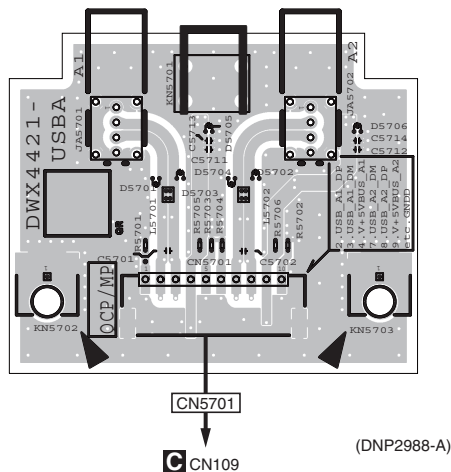
C

DJM-S11

11.3 USBA ASSY

SIDE A

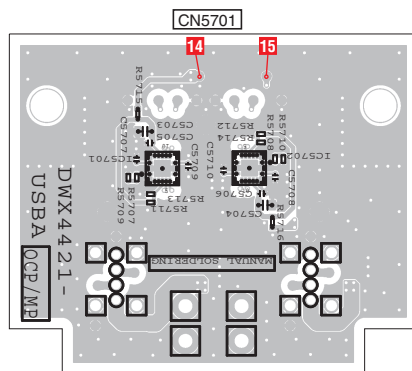
SIDE A

D USBA ASSY

SIDE B

SIDE B

D USBA ASSY



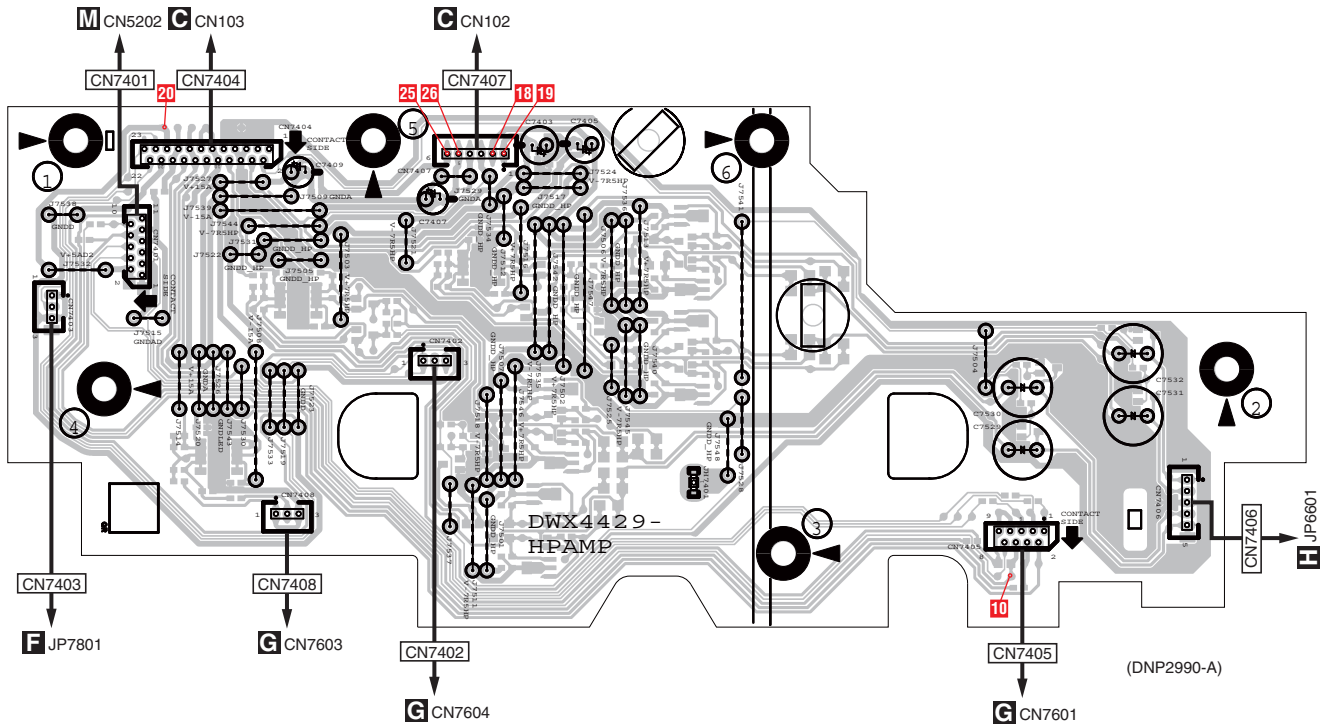
(DNP2988-A)

11.4 HPAMP ASSY

SIDE A

SIDE A

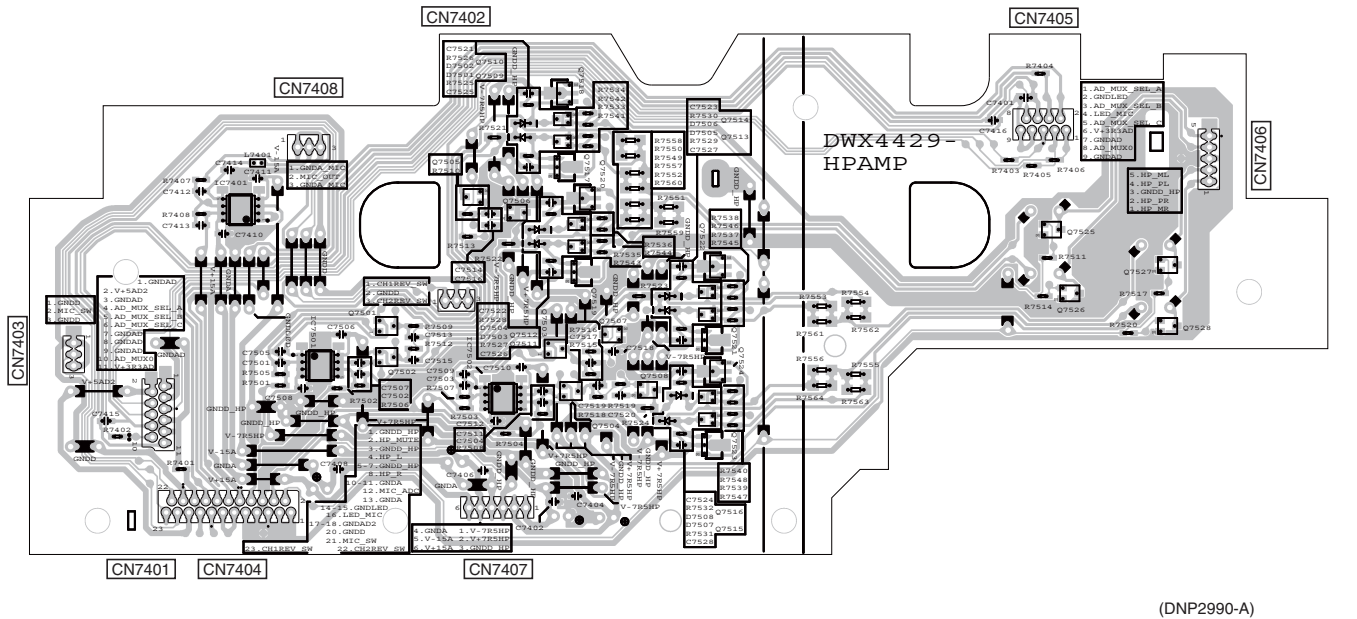
HPAMP ASSY



SIDE B

SIDE B

HPAMP ASSY



E

E

DJM-S11

55

△

A

G FRVR ASSY

(DNP2990-A)

SIDE B

G FRVR ASSY

(DNP2990-A)

F G

5

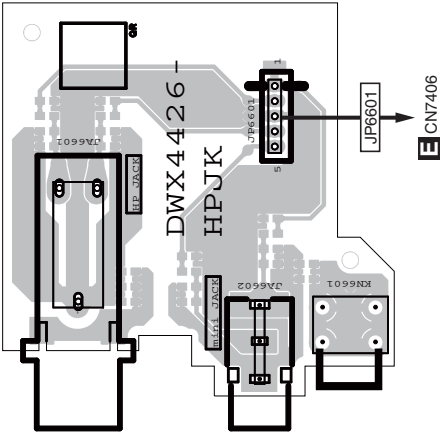
11.6 HPJK ASSY

SIDE A

SIDE A

A

H HPJK ASSY



B

C

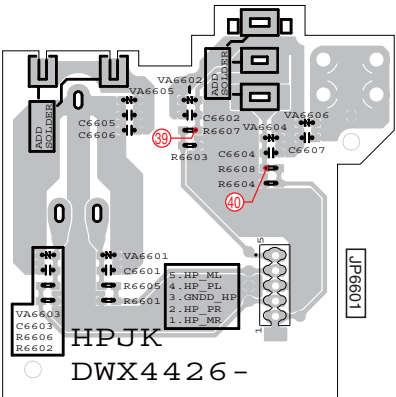
(DNP2989-A)

SIDE B

SIDE B

D

H HPJK ASSY



E

F

H

H

SIDE A

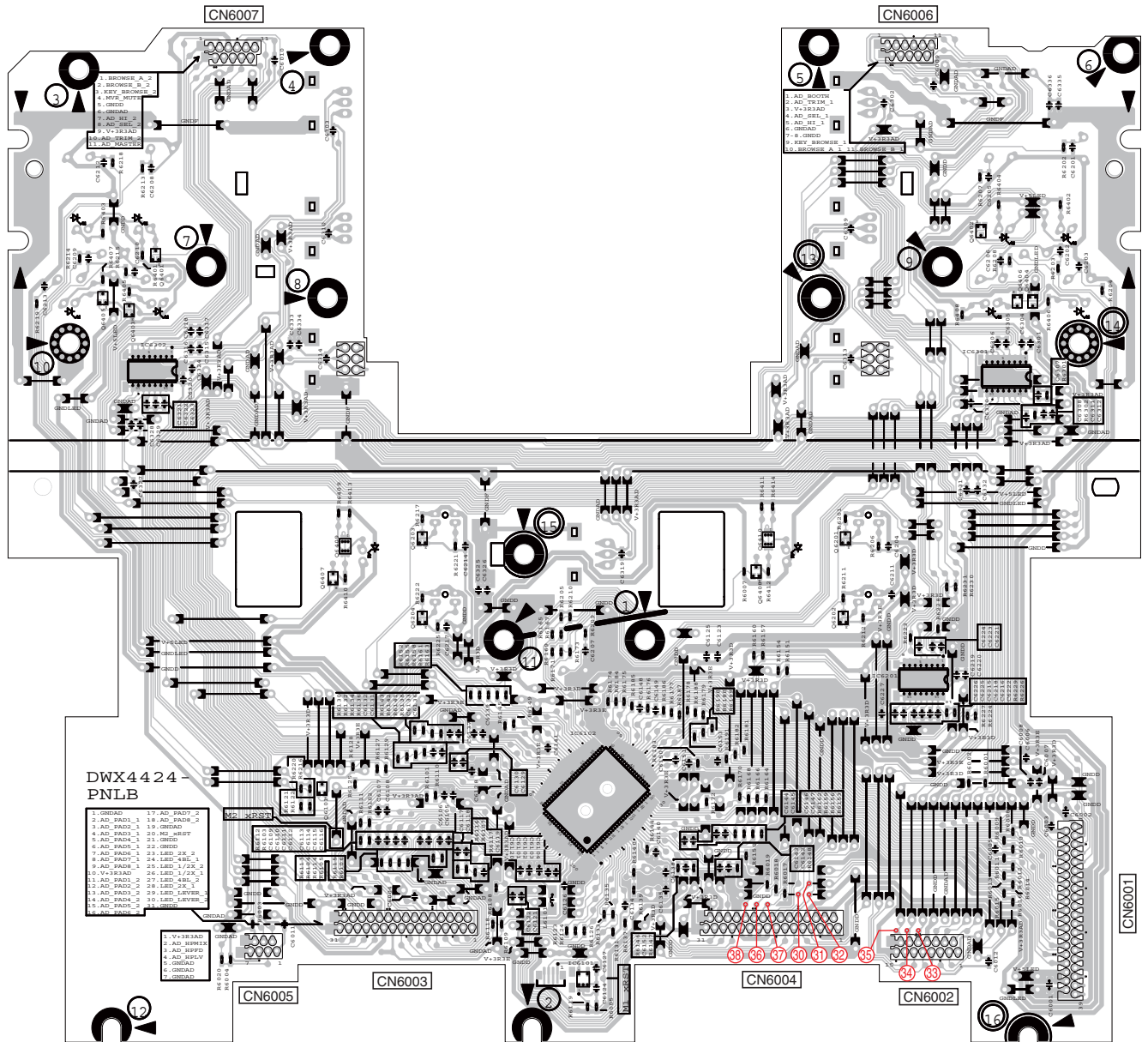
SIDE A

(DNP2989-A)

SIDE B

SIDE B

I PNLB ASSY



(DNP2989-A)

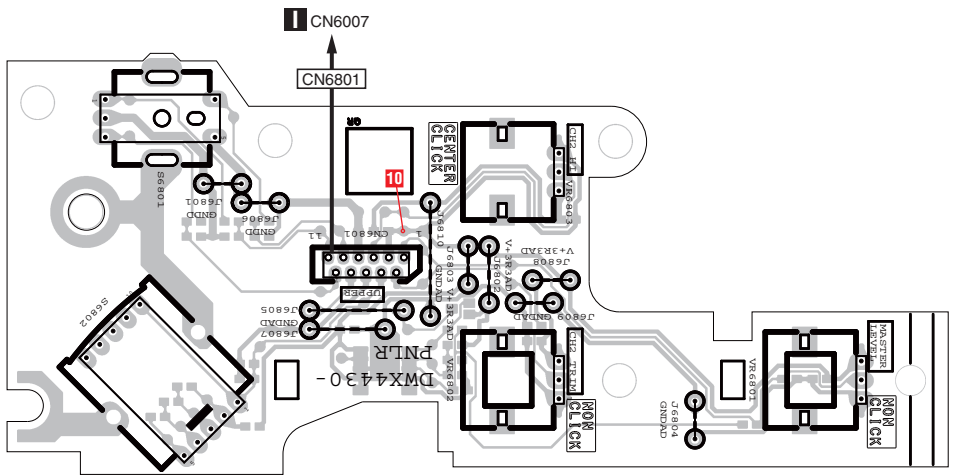
11.9 PNLR ASSY

SIDE A

SIDE A

A

K PNLR ASSY



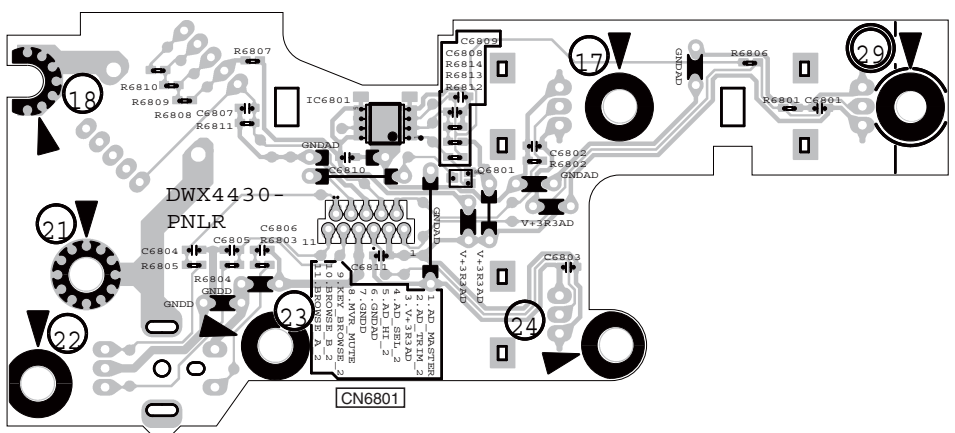
(DNP2989-A)

SIDE B

SIDE B

D

K PNLR ASSY



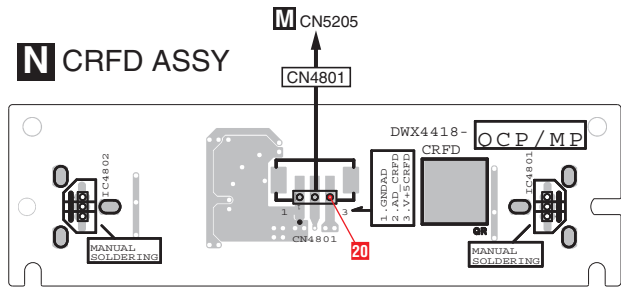
(DNP2989-A)

K

K

SIDE A

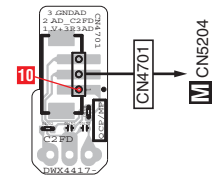
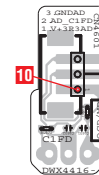
Note:
The 1 and 2 Assys of C*FD Assys have the same circuitry, parts, and board shapes.
Only printed information is different, because their part numbers and wiring numbers are different.
They are handled similarly in their production management.
Therefore, either 1 or 2 Assy of the respective Assys is assembled in the respective place.



注意:
C*FD Assy の 1 と 2 は回路そのもの、仕様部品、基板形状は同じです。
部品番号と配線番号が違うため印刷内容が異なります。
生産上は 1 と 2 の ASSY を管理していません。
このためそれぞれの場所には 1 と 2 のどちらかの ASSY が配置されています。

O C1FD ASSY

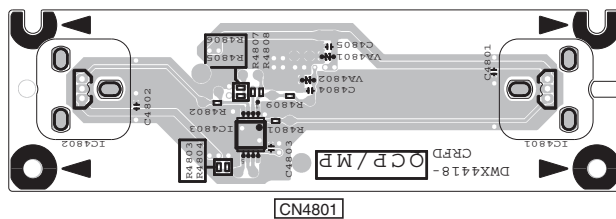
P C2FD ASSY



(DNP2988-A)

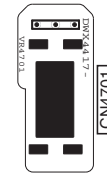
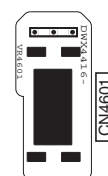
SIDE B

N CRFD ASSY



O C1FD ASSY

P C2FD ASSY

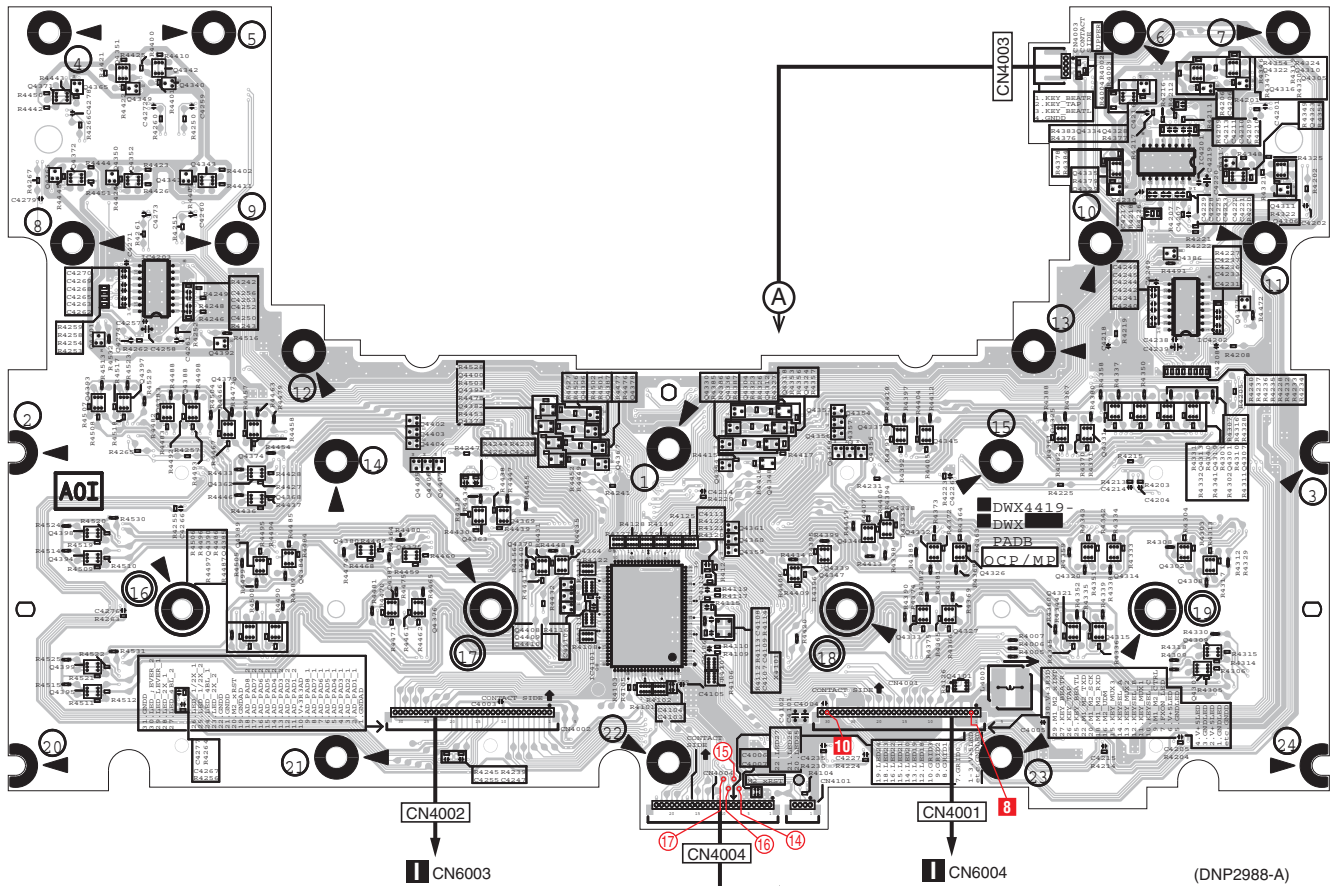


(DNP2988-A)

SIDE B

SIDE B

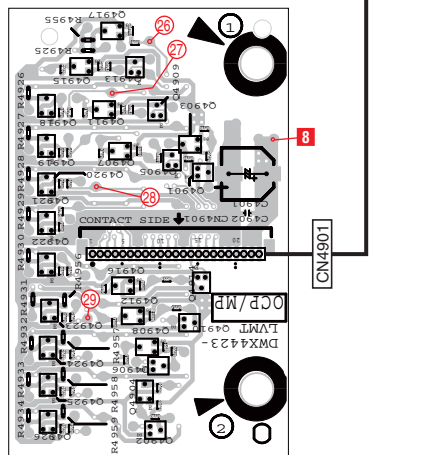
A

Q PADB ASSY

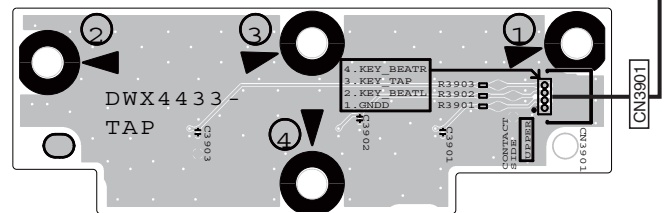
B

C

D

S LVMT ASSY

(DNP2988-A)

R TAPB ASSY

(DNP2987-A)

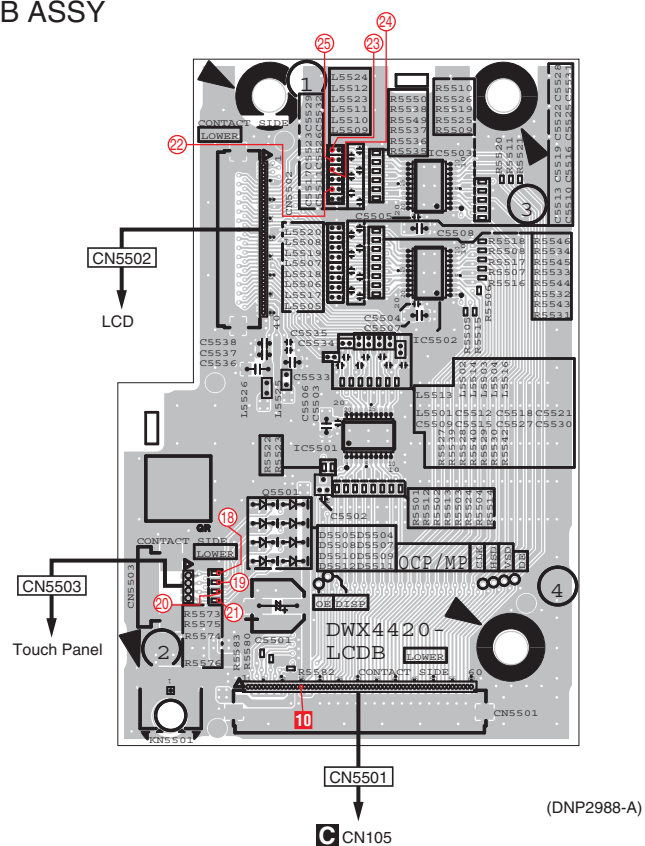
F

Q R S**Q R S**

SIDE A

SIDE A

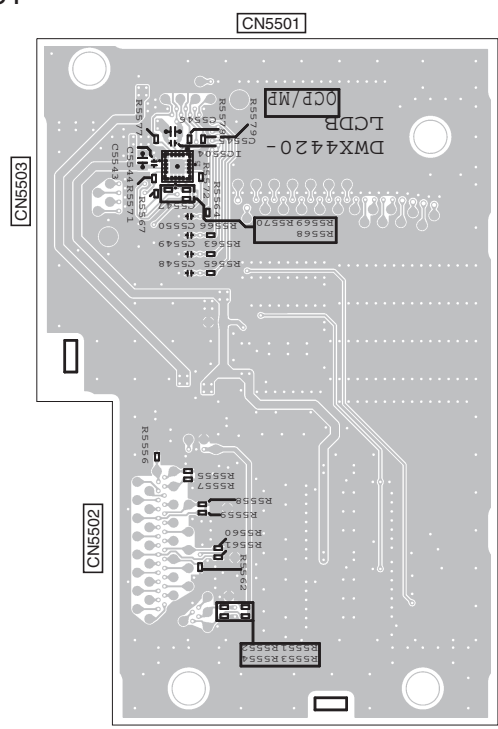
T

LCDB ASSY

SIDE B

SIDE B

T

LCDB ASSY

SIDE A



SIDE B



12. PCB PARTS LIST

NOTES: ● Parts marked by “NSP” are generally unavailable because they are not in our Master Spare Parts List.
● The \triangle mark found on some component parts indicates the importance of the safety factor of the part.
Therefore, when replacing, be sure to use parts of identical designation.
● When ordering resistors, first convert resistance values into code form as shown in the following examples.

Ex.1 When there are 2 effective digits (any digit apart from 0), such as 560 ohm and 47 k ohm (tolerance is shown by J = 5%, and K = 10%).

560 Ω \rightarrow 56×10^1 \rightarrow 561 RD1/4PU $\begin{bmatrix} 5 \\ 6 \end{bmatrix} \begin{bmatrix} 1 \\ 0 \end{bmatrix} J$
47 k Ω \rightarrow 47×10^3 \rightarrow 473 RD1/4PU $\begin{bmatrix} 4 \\ 7 \end{bmatrix} \begin{bmatrix} 3 \\ 0 \end{bmatrix} J$
0.5 Ω \rightarrow R50 RN2H $\begin{bmatrix} R \\ 5 \end{bmatrix} \begin{bmatrix} 0 \\ 0 \end{bmatrix} K$
1 Ω \rightarrow 1R0 RSIP $\begin{bmatrix} 1 \\ 0 \end{bmatrix} \begin{bmatrix} 0 \\ 0 \end{bmatrix} K$

Ex.2 When there are 3 effective digits (such as in high precision metal film resistors).

5.62 k Ω \rightarrow 562×10^1 \rightarrow 5621 RN1/4PC $\begin{bmatrix} 5 \\ 6 \end{bmatrix} \begin{bmatrix} 2 \\ 1 \end{bmatrix} F$

Mark	No.	Description	Part No.	Mark	No.	Description	Part No.
LIST OF ASSEMBLIES							
NSP	1..	INPUT ASSY	DWM2752	IC	7501,7502		NJM4580MD
	2..	INPUT ASSY	DWX4428	IC	7601		TC74HC4051AF
	2..	HPAMP ASSY	DWX4429	Q	7101,7102,7104,7105		2SK209
	2..	FRVR ASSY	DWX4425	Q	7103,7203,7303,7304		LSCR523UB
	2..	PNLL ASSY	DWX4431	Q	7201,7202,7204,7205		2SK209
				Q	7301,7302,7501-7504		2SK209
	2..	MCSW ASSY	DWX4432	Q	7505-7508,7525-7528		INC2002AC1
NSP	1..	MOTHER ASSY (DJM-S11)	DWM2749	Q	7509,7511,7513,7515		LSCR523UB
NSP	1..	MOTHER ASSY (DJM-S11-SE)	DWM2781	Q	7510,7512,7514,7516		LSAR523UB
	2..	MAIN ASSY (DJM-S11)	DWX4415	Q	7517,7519,7521,7523		2SD1767
	2..	MAIN ASSY (DJM-S11-SE)	DWX4513	Q	7518,7520,7522,7524		2SB1189
	2..	TAPB ASSY	DWX4433	D	7105,7205,7501-7508		1SS355L@V
NSP	1..	PAD ASSY	DWM2750	D	7601		LTL17KRH5D-P
	2..	PADB ASSY	DWX4419	MISCELLANEOUS			
	2..	C1FD ASSY	DWX4416	L	7301,7401 CHIP SOLID INDUCTOR		XTL3010
	2..	C2FD ASSY	DWX4417	JA	7101,7201 4P PIN JACK		DKB1090
	2..	CRFD ASSY	DWX4418	JA	7301 XLR SOCKET		DKB1124
				JA	7351 RCA JACK		DKB1122
	2..	LVMT ASSY	DWX4423	RY	7101,7201 RELAY		DSR1023
	2..	LCDB ASSY	DWX4420	S	7001 PUSH SW		ASG1102
	2..	USBA ASSY	DWX4421	S	7601-7604 SLIDE SWITCH		DSH1066
	2..	SPVR ASSY	DWX4422	S	7701 ENCODER SW		DSX1080
NSP	1..	PANEL ASSY	DWM2751	S	7702 ROTARY SWITCH		DSG1099
	2..	PNLB ASSY	DWX4424	S	7801 LEVER SWITCH		DSK1055
	2..	HPJK ASSY	DWX4426	CN	7001 15P CONNECTOR		VKN1275
	2..	HPFD ASSY	DWX4427	CN	7002 29P CONNECTOR		VKN1289
	2..	PNLR ASSY	DWX4430	CN	7003 L-PLUG(7P)		KM200NA7L
\triangle	1..	SW POWER SUPPLY	DWR1548	CN	7004,7602-7604 L-PLUG(3P)		KM200NA3L
				CN	7401,7701 11P CONNECTOR		VKN1242
				CN	7402,7403,7408 PLUG(3P)		KM200NA3
				CN	7404 23P CONNECTOR		VKN1254
				CN	7405 9P CONNECTOR		VKN1824
				CN	7406 PLUG(5P)		KM200NA5
				CN	7407 PLUG(6P)		KM200NA6
				CN	7601 9P CONNECTOR		VKN1852
				JP	7001 CONNECTOR ASSY		PF03GG-B05
				JP	7801 CONNECTOR ASSY		PF03PG-B10
				VA	7101-7105,7201-7205 VARISTORS		EZJZ1V270RM
				VA	7301-7306,7351-7353 VARISTORS		EZJZ1V270RM
INPUT ASSY				RESISTORS			
SEMICONDUCTORS				R	7101,7102,7201,7202		RN1/16SE1500D
	IC	7101,7103-7105,7201	NJM4580MD	R	7103,7104,7203,7204		RS1/10SR1000D
	IC	7102,7202	NJM4585M	R	7107,7108,7117,7118		RS1/10SR4702D
	IC	7203-7205,7301,7351	NJM4580MD	R	7111-7114,7211-7214		RN1/16SE1201D
	IC	7401	NJM4565MD	R	7119,7121,7123,7124		RN1/16SE1501D

Mark No. Description**Part No.****Mark No. Description****Part No.**

A

IC 2103,3003 TC74VHC74FK
 IC 3001,3002 CS5381-KZ
 IC 3004,3005 NJM8080RB1S1
 IC 3201,3301 AK5358AET
 IC 3401 ES9016K2M@V
 IC 3405-3408,3411 NJM4580MD
 IC 3409,3410 NJM4585M
 IC 3601,3801 AK4387ET

JA 3601,3602 6.5 DIA JACK DKN1669
 KN101-111 WRAPPING TERMINAL CKF1089
 S 3901-3903 PUSH SWITCH CSG1155
 X 1401 CRYSTAL OSCILLATOR (24 MHz) CWX4280
 X 1601,1602 RESONATOR (24.000 MHz) CSS1773

X 2101 CRYSTAL OSCILLATOR (24.576 MHz) ASS7102
 CN101 CONNECTOR DKN1666
 CN102 CONNECTOR AKM1277
 CN103 23P CONNECTOR VKN1427
 CN104 39P CONNECTOR VKN2097

IC 3602-3604,3802 NJM4580MD
 Q 101 LTC043EEB
 Q 102 LTC124EUB
 Q 103,106,107,404 2SC4154-11
 Q 104,402,403,607 LTC024EEB

CN105 FFC/FPC CONNECTOR CKS6543
 CN106 15P CONNECTOR VKN1419
 CN107 29P CONNECTOR VKN1433
 CN108 CONNECTOR AKM1278
 CN109 CONNECTOR AKM1281

B

Q 105 LSC4081UB
 Q 108,109,611,612 ISA1602AM1
 Q 110,608-610 LTC023JEB
 Q 111,112,114 HN1A01FUS1
 Q 113,115 HN1C01FUS1

CN3901 04P CONNECTOR RKN1045
 VA 3401-3408,3601-3605 VARISTORS EZJZ1V270RM

RESISTORS

Q 401 2SB1689
 Q 402,403 RN1103S1
 Q 405 2SC4154-11
 Q 411,412 RN1903S1
 Q 601 RSR020P05

R 167,414 RS1/16SS3302D
 R 168 RS1/16SS2401D
 R 205,206,208,209 RS1/16SS1002D
 R 212,215,219,227 RS1/16SS1002D
 R 213,220 RS1/16SS2002D

C

Q 602 RSQ045N03
 Q 603 LTC014EEB
 Q 604 RSQ035P03
 Q 605,606 RSQ030P03
 Q 613,1603,3304,3401 LTC024EEB

R 221,226 RS1/16SS1802D
 R 222 RS1/16SS2702D
 R 223 RS1/16SS4702D
 R 224,642 RS1/16SS2202D
 R 231,1910,1911,3613 RS1/10SR0R0J

Q 614,615 2SB1188
 Q 1602,3303,3403,3404 LTA024EEB
 Q 3301,3302,3405-3418 INC2002AC1
 Q 3402 LTC024EEB
 Q 3601-3608 INC2002AC1

R 401,426,1202,1203 RS1/16SS1001D
 R 413 RS1/16SS4302D
 R 415,601,605,623 RS1/16SS1502D
 R 416,420,625 RS1/16SS8201D
 R 417 RS1/16SS1102D

D

D 102 RB160M-30
 D 104-106,109,110 1SS355L@V
 D 107,108,111 DAN202UM
 D 112-115,608,3601 1SS355L@V
 D 403 UDZV5R1

R 418 RS1/16SS5600F
 R 419,422,425 RS1/16SS2201D
 R 423,1627,1669 RS1/16SS6801D
 R 427 RS1/16SS3301D
 R 428,602,606,626 RS1/16SS1002D

D 603,606,611,614 RB162MM-40TF
 D 604,605 RB501VM-40
 D 609,613,3402 RB551VM-30
 D 3001-3008 DAN217UM
 D 3201,3301,3302 RB548W

R 430-432 RS1/4SA560J
 R 438 RS1/10SR221J
 R 441 RS1/16SS4701D
 R 442 RS1/16SS1202D
 R 443,444 RS1/16SS2701D

MISCELLANEOUS

L 401,405 CHOKE COIL (22 uH) CTH1561
 L 402 INDUCTOR CTH1253
 L 403 INDUCTOR CTH1619
 L 404,603,604 POWER INDUCTOR ATH7011
 L 601,602 SMD SPL INDUCTOR CTH1533

R 455,456,668 RS1/10SR472J
 R 457,458 RS1/10SR331J
 R 603 RS1/16SS1803D
 R 604 RS1/16SS5101D
 R 607,608 RS1/10SR6200D

L 801-803 SMD SPL INDUCTOR CTH1531
 L 1601,1602,1607,1618 COIL ATH7015
 L 1616,1617 CHOKE COIL DTH1219
 L 1801 CHIP SOLID INDUCTOR QTL1013
 L 1802 SMD FERRITE BEADS CTF1823

R 609,3415,3418 RS1/10SR75R0D
 R 610 RS1/10SR1200D
 R 611,619,639 RS1/16SS3002D
 R 612,620,640 RS1/16SS6802D
 R 615,617 RS1/10SR220J

L 1803 POWER INDUCTOR ATH7011
 F 1601-1604 EMI FILTER CCG1352
 JA 1601,1602 USB CONNECTOR DKN1237
 JA 3401,3402 CANON CONNECTOR DKB1093
 JA 3403 RCA JACK DKB1120

R 618,647 RS1/10SR105J
 R 622 RS1/16SS9101D
 R 624 RS1/16SS1503D
 R 629,631,3455-3458 RS1/10SR103J
 R 632,637,654 RS1/16SS1002D

R 633 RS1/16SS5601D

5			6			7			8		
Mark	No.	Description	Part No.	Mark	No.	Description	Part No.				
	R 634		RS1/16SS5102D		C 116 (1 uF)		DCE1030				
	R 636		RS1/16SS1502D		C 117,128,441,446		0402B103K160CT				
	R 643,646,3515-3518		RS1/10SR100J		C 118,122 (150 uF/16 V)		DCH1356			A	
	R 648		RS1/16SS1203D								
	R 649		RS1/16SS2703D		C 125		CEVW331M35				
	R 651		RS1/16SS6201D		C 130,131		0402B103K250CT				
	R 652		RS1/16SS3001D		C 137		CKSSYB104K16				
	R 653		RS1/16SS6202D		C 137,139,142,146		0402B104K160CT				
	R 667		RS1/16SS1000D		C 140,141,143,144		0603B104K250CT				
	R 674		RS1/16SS10R0D		C 145,662 (10 uF)		ACG7115				
	R 679		RS1/4SA2R2J		C 148-150,174,176		0402B104K160CT				
	R 1201		RS1/16SS49R9F		C 175,177,185		CC0402KRX7R9BB102				
	R 1206		RS1/16SS2400F		C 187,2103,2106		CCSSCH102J50				
	R 1601,1666		RS1/8SQ0R0J		C 401-405,407-409		0805X106K250CT				
	R 1705		RS1/10SR102J		C 406,602,615,616		CC0805KKX7R8BB105			B	
	R 2121		RG1608Q100D@V		C 410-413,479,485		0402B104K160CT				
	R 3019,3020		RS1/10SR5R1J		C 414-417,440		CC0402KRX7R9BB102				
	R 3301,3302,3414,3417		RS1/10SR3301D		C 422-425,432-437		0402B104K250CT				
	R 3303,3304		RS1/10SR1802D		C 426,471,473,626		0402X105K250CT				
	R 3305,3306		RS1/10SR8200D		C 429-431,484		CC0402KRX7R7BB153				
	R 3413,3416		RS1/10SR1002D		C 438		CC0402KRX7R9BB222				
	R 3420,3422,3424,3426		RG1608P821D@V		C 439,677		CC0402JRNPO9BN561				
	R 3427,3428,3433,3434		RS1/10SR513J		C 450,685,702		CC0603KRX5R6BB225				
	R 3435-3438,3443-3446		RS1/10SR223J		C 452-454,456,480		CC0402KRX7R9BB102				
	R 3439-3442		RS1/10SR1201D		C 457-459,461,482		0402B104K250CT			C	
	R 3447-3450,3609,3610		RS1/10SR3601D		C 462,466,491,492 (10 uF)		CCG1192				
	R 3451-3454		RS1/10SR3902D		C 463-465,467,631		CC0603KRX5R5BB106				
	R 3459-3462,3475-3482		RS1/10SR3901D		C 469,655,663 (47 uF/16 V)		CCH1961				
	R 3467-3470		RS1/10SR2200D		C 483,490,653,658		0402B104K250CT				
	R 3483-3488,3497,3498		RS1/10SR3301D		C 486,1807,1808		0402N471J500CT				
	R 3489-3496		RS1/10SR6801D		C 489,607,608,642		CC0402KRX7R9BB102				
	R 3499,3500,3503,3504 (330 ohm)		DCN1200		C 496,497,659,668		0402B103K160CT				
	R 3501,3502		RS1/10SR3300D		C 498-501,511,686 (10 uF)		CCG1192				
	R 3505-3508,3618-3625		RS1/10SR2201D		C 504,508 (4.7 uF)		ACG7114				
	R 3509-3514		RS1/10SR183J		C 505,644,673		0402B104K160CT				
	R 3519,3520		RS1/10SR104J		C 601,636,650		CC0805KKX7R9BB334			D	
	R 3521,3522,3606-3608		RS1/10SR100J		C 603		0402N271J500CT				
	R 3612,3614,3815,3817		RS1/10SR2202D		C 605		CC0402KRX5R7BB225				
	R 3615,3616,3631-3638		RS1/10SR5601D		C 609,610,3303		CC0402KRX7R8BB103				
	R 3617,3651,3809		RS1/10SR100J		C 612,613,638,639		CC0603KRX7R8BB104				
	R 3626		RS1/10SR473J		C 614		0603B473K500CT				
	R 3639-3642 (330 ohm)		DCN1200		C 619,630,674,684		0805X106K250CT				
	R 3643,3645		RS1/10SR3901D		C 620,621,648,649		CEHVAV101M25				
	R 3644,3646		RS1/10SR2701D		C 623		CC0402JRNPO9BN221				
	R 3647-3650		RS1/10SR222J		C 624,625 (0.47 uF)		ACE7114				
	R 3653-3657,3807,3810		RS1/10SR0R0J		C 627,680,681		0402X105K250CT				
	R 3812,3813		RS1/10SR5101D		C 629,645,646,651		CC0805KKX7R8BB105			E	
	R 3818,3819		RS1/10SR5601D		C 635		CC0402KRX7R7BB223				
	R 1629 (DJM-S11 only)	RS1/16SS103J			C 637,664,691,1602		CC0402JRNPO9BN101				
	R 1628 (DJM-S11-SE only)	RS1/16SS102J			C 640,641 (10 uF)		CCG1236				
	Other Resistors		RS1/16SS###J		C 643,660,698,699		CC0402KRX7R9BB102				
					C 656,3026,3027		CC0603KRX7R8BB104				
					C 657		CEHVW470M25				
					C 661,700,701,709		0402B104K250CT				
CAPACITORS											
	C 101,102,105,107		0402B104K160CT								
	C 104,493,502,503 (100 uF/16 V)		CCH1565		C 665		0603X474K250CT				
	C 108		CCSSCH101J50		C 666		CC0603KRX7R6BB334				
	C 109,111,123,126		0402B104K160CT		C 668,1835		CKSSYB103K16				
	C 110,134,135		0402B102K500CT		C 683		CC0805KKX7R8BB105			F	
					C 689		CC0402JRNPO9BN820				
	C 112,512,652 (0.01 uF)		ACE7113								
	C 114 (0.1 uF)		ACE7100		C 692-694,1403,1621		0402B104K160CT				

CAPACITORS

C 101,102,105,107	0402B104K160CT
C 104,493,502,503 (100 uF/16 V)	CCH1565
C 108	CCSSCH101J50
C 109,111,123,126	0402B104K160CT
C 110,134,135	0402B102K500CT
C 112,512,652 (0.01 uF)	ACE7113
C 114 (0.1 uF)	ACE7100

Mark	No.	Description	Part No.
A	C	695,696,803-809 (10 uF)	CCG1192
	C	697,710,812-815	0402B103K160CT
	C	703,704,3602,3603	CEVW101M16
	C	801,802,810,811	0402B104K250CT
	C	816,817,833,834 (10 uF)	CCG1192
	C	818,826,830,836	0402B104K250CT
	C	819-825,827-829	0402B103K160CT
	C	831,832,835	0402B103K160CT
B	C	837-841,843	0402B103K160CT
	C	842,844,848,852	0402B104K250CT
	C	845-847,849-851	0402B103K160CT
	C	853,866-873,876	0402B103K160CT
	C	854-861,888	0402B104K250CT
	C	862-864,899,1201	0402X105K250CT
	C	874,875,884,886 (10 uF)	CCG1192
	C	877,1001,1002,1404	0402B103K160CT
	C	878-880,883,885	0402X225K160CT
	C	881,882,887,891	CC0603KRX5R5BB475
	C	889,893,894,897 (10 uF)	CCG1192
	C	890,892,896	0402X225K160CT
C	C	895,3420	CC0603KRX5R5BB475
	C	898,1864 (680 uF/6.3 V)	DCH1360
	C	1202,1426,1641,1687	0402X105K250CT
	C	1203-1207,1220,1401	0402B104K250CT
	C	1208,1606,1607,1650 (10 uF)	CCG1192
	C	1209-1219	0402B224K160CT
	C	1402,1604,1605,1623	CC0402KRX7R9BB102
	C	1405-1408	0402B472K500CT
	C	1413,1427,1428,1601	0402B104K250CT
	C	1420,1421,1429,1430	0402B103K160CT
	C	1603,1646,1647,1840	CC0402JRNPO9BN101
	C	1608-1610,1614,1617	0402B104K250CT
D	C	1611-1613,1616,1619	0402B103K160CT
	C	1615,1659	CC0402JRNPO9BN120
	C	1618,1664	0402N150J500CT
	C	1620,1625,1627,1631	0402B104K250CT
	C	1622,1668	CC0402JRNPO9BN470
	C	1624,1626,1630,1632	0402B103K160CT
	C	1634,1637,1639,1644	CC0402KRX7R9BB102
	C	1635,1638,1640,1642	0402B104K250CT
	C	1636,1655-1657,1660	0402B103K160CT
	C	1643,1652-1654,1658	0402B104K250CT
	C	1645,1648,1649,1669	CC0402KRX7R9BB102
	C	1651,1801-1804,1845 (10 uF)	CCG1192
E	C	1661,1666,1671,1673	0402B104K250CT
	C	1665,1670,1672,1676	0402B103K160CT
	C	1667,3001,3008,3009	0402B104K160CT
	C	1677,1681,1684,1686	0402B104K250CT
	C	1678,1682,1690-1693	0402B103K160CT
	C	1680,1683,1685,1810	CC0402KRX7R9BB102
	C	1696,1697	0402N7ROC500CT
	C	1698,1700,1805,1806	0402B104K250CT
	C	1699,1701,1809,1811	0402B103K160CT
	C	1710,1711,1842,1865	0402X105K250CT
	C	1812,1815,1817,1819	CC0402KRX7R9BB102
	C	1814,1816,1818,1820	0402B103K160CT
F	C	1821,1824,1826,1828	CC0402KRX7R9BB102
	C	1822,1823,1825,1827	0402B103K160CT
	C	1829,1831,1833,1835	0402B103K160CT

Mark	No.	Description	Part No.
	C	1830,1832,1834,1836	CC0402KRX7R9BB102
	C	1837-1839,1841	0402B103K160CT
	C	1843,1844,2101,2104	0402B104K250CT
	C	1846,3002,3003,3201 (10 uF)	CCG1192
	C	1849-1863,3004,3005	0402B103K160CT
	C	2107,2111,2112,3477	CC0402KRX7R9BB102
	C	2108-2110,2113,2114	0402B104K250CT
	C	3010-3015,3213,3315	0402B103K160CT
	C	3016-3019	CC0603JRNPO9BN222
	C	3020,3022 (330 uF/25 V)	DCH1354
	C	3021,3023-3025 (100 uF/16 V)	CCH1565
	C	3028,3029,3032,3033	0402N102J500CT
	C	3030,3031,3202,3206	0402B104K250CT
	C	3034,3035	CC0603KRX7R9BB103
	C	3044,3046,3048,3203	0402N102J500CT
	C	3045,3047,3049,3212	0402B104K160CT
	C	3204	CEVW470M6R3
	C	3205,3306,3307	CEVW220M16
	C	3207,3210,3211,3216	0402N102J500CT
	C	3208,3301,3310 (10 uF)	CCG1192
	C	3209,3302,3308,3311	0402B104K250CT
	C	3217,3314,3319,3478	0402B104K160CT
	C	3304,3309,3312,3313	0402N102J500CT
	C	3305	CEHVAW470M6R3
	C	3318,3407-3409,3483	0402N102J500CT
	C	3401-3403,3606,3610	0402B104K250CT
	C	3404-3406	CC0402KRX7R8BB103
	C	3410-3412,3427-3430	CC0603KRX7R8BB104
	C	3416-3418 (47 uF/16 V)	CCH1961
	C	3419,3601,3801	0402B103K160CT
	C	3421,3422	CC0603KRX5R8BB105
	C	3423-3426 (2 200 pF)	ACE7121
	C	3431,3432 (100 uF/25 V)	CCH2000
	C	3437-3440,3449-3451	CC0603KRX7R8BB104
	C	3441-3444,3643-3646 (4 700 pF)	ACE7115
	C	3452-3455,3458-3461	CC0603JRNPO9BN101
	C	3456,3457,3462,3615	CC0603KRX7R8BB104
	C	3463-3466 (470 uF/16 V)	CCH1680
	C	3467,3468	CEVW101M25
	C	3469-3474 (470 pF)	ACE7119
	C	3479,3647	CC0402KRX7R9BB102
	C	3480,3484,3486,3488	0402B104K160CT
	C	3485,3487,3489,3608	0402N102J500CT
	C	3490,3609,3648,3819	0402B104K160CT
	C	3604	CEVW220M6R3
	C	3605,3607	0603N182J500CT
	C	3611,3635-3638,3809	CEVW101M16
	C	3612,3613,3627-3634	CC0603JRNPO9BN101
	C	3614,3617	CEVW470M25
	C	3616,3623-3626	CC0603KRX7R8BB104
	C	3653,3818,3825	0402N102J500CT
	C	3802	CEHVAW220M6R3
	C	3803,3806,3816,3817	0402B104K250CT
	C	3810,3811	CEVW470M16
	C	3812,3813	CC0603JRNPO9BN102
	C	3814,3815	CC0603JRNPO9BN101
	C	3826	0402B104K160CT

Mark	No.	Description	Part No.
PAD ASSY			
Consists of			
PADB ASSY			
C1FD ASSY			
C2FD ASSY			
CRFD ASSY			
LVMT ASSY			
LCDB ASSY			
USBA ASSY			
SPVR ASSY			

DMNOPQRT

PAD ASSY

SEMICONDUCTORS			
IC	4101		DYW2203
*Part number of the initial firmware equipped			
IC	4201-4203		TC74HC151AF
IC	4801,4802		EQ-730L
IC	4803		NJM12904V
IC	5501-5503		74LCX541FT
Q	4101		RT3T22M
Q	4301-4303,4307-4311		HN1A01FUS1
Q	4304-4306,4316-4318		LTC014YEB
Q	4312,4324,4336,4348		2SB1689
Q	4313-4315,4319-4323		HN1A01FUS1
Q	4325-4327,4331-4335		HN1A01FUS1
Q	4328-4330,4340,4341		LTC014YEB
Q	4337-4339,4342,4343		HN1A01FUS1
Q	4344,4349,4350		LTC014YEB
Q	4345-4347,4351,4352		HN1A01FUS1
Q	4353-4361,4402-4410		LTC023JEB
Q	4362-4364,4368-4372		HN1A01FUS1
Q	4365-4367,4377,4378		LTC014YEB
Q	4373,4382,4391,4400		2SB1689
Q	4374-4376,4379-4381		HN1A01FUS1
Q	4383-4385,4388-4390		HN1A01FUS1
Q	4386,4387,4392,4396		LTC014YEB
Q	4393-4395,4397-4399		HN1A01FUS1
Q	4401		LTC014YEB
Q	4901,4902,4905,4906		LTC023JEB
Q	4903,4904,4907,4908		2SAR502UB
Q	4909,4910,4913,4914		LTC023JEB
Q	4911,4912,4915,4916		2SAR502UB
Q	4917-4926		LSCR523UB
Q	5501		LTC043EEB
D	4301-4303,4308-4310		NSSM124F-A21107
D	4304-4307,4311,4312		SMLE12BC7T
D	4313-4315,4318-4320		NSSM124F-A21107
D	4316,4317,4321-4324		SMLE12BC7T
D	4325-4327,4329-4331		NSSM124F-A21107
D	4328,4332,4336,4340		SML-D12V8W
D	4333-4335,4337-4339		NSSM124F-A21107
D	4901,4921		FC-1608SXXK630D08
D	4902,4912,4922,4931		SML-D12V8W
D	4903-4906,4913-4916		SML-D12Y8W
D	4907-4910,4917-4920		SML-D12M8W(NP)
D	4923-4926,4932-4935		SML-D12Y8W
D	4927-4930,4936-4939		SML-D12M8W(NP)
D	5201		NSSM124F-A21107
D	5504,5505,5507-5512		1SS355L@V

Mark	No.	Description	Part No.
D	5701-5706		EZAE2N50A
MISCELLANEOUS			
L	4001	POWER INDUCTOR	ATH7011
L	5510	INDUCTOR	CTF1639
L	5525	CHIP BEEDS FILTER	BTX1047
JA	5701,5702	USB JACK	DKB1129
KN	5501	WRAPPING TERMINAL	CKF1089
KN	5701	SCREW PLATE	VNE1948
S	4201-4205,4207-4209	PUSH SWITCH	CSG1155
S	4206,4210,4217,4221	TACT SWITCH	DSG1134
S	4211-4216,4218-4220	PUSH SWITCH	CSG1155
S	4222-4224,5201	PUSH SWITCH	CSG1155
X	4101	CRYSTAL RESONATOR (16 MHz)	BSS1146
CN	4001,4002	31P CONNECTOR	VKN1435
CN	4003	04P CONNECTOR	RKN1045
CN	4004,4901	23P CONNECTOR	VKN1427
CN	4601,4701,4801	CONNECTOR	AKM1274
NSP	CN 5201	CONNECTOR	CKS3856
NSP	CN 5202	CONNECTOR	CKS3852
	CN 5203	PLUG(3P)	KM200NA3R
	CN 5204	PLUG(3P)	KM200NA3
	CN 5205	PLUG(3P)	KM200NA3Y
	CN 5501	FFC/FPC CONNECTOR	CKS6646
	CN 5502	FFC/FPC CONNECTOR	CKS6644
	CN 5503	FFC/FPC CONNECTOR	CKS6625
	CN 5701	CONNECTOR	AKM1296
	VA 4801,4802,5201,5202	VARISTORS	EZJZ1V270RM
	VA 5204-5206,5208	VARISTORS	EZJZ1V270RM
RESISTORS			
R	4101,4102,4106-4108		RAB4CQ101J
R	4111,4118,4122,4125		RAB4CQ101J
R	4113		RS1/10SR105J
R	4127-4131		RAB4CQ101J
R	4307-4309,4337-4339		RS1/10SR180J
R	4316-4318,4350-4352		RS1/10SR330J
R	4328,4358,4388,4418		RS1/10SR151J
R	4329,4330,4359,4360		RS1/10SR101J
R	4367-4369,4397-4399		RS1/10SR180J
R	4380-4382,4412-4414		RS1/10SR330J
R	4389,4390,4419,4420		RS1/10SR101J
R	4433-4435,4463-4465		RS1/10SR180J
R	4446-4448,4473-4475		RS1/10SR330J
R	4454,4479,4504,4529		RS1/10SR151J
R	4455,4456,4480,4481		RS1/10SR101J
R	4472,4491,4516,4532		RS1/10SR181J
R	4488-4490,4513-4515		RS1/10SR180J
R	4498-4500,4523-4525		RS1/10SR330J
R	4505,4506,4530,4531		RS1/10SR101J
R	4601,4602,4701,4702		RS1/10SR0R0J
R	4805		RS1/16SS5102D
R	4807		RS1/16SS1502D
R	4808		RS1/16SS2001D
R	4925		RS1/10SR121J
R	4926-4930		RS1/10SR101J
R	4931-4934		RS1/10SR620J
R	5201		RS1/10SR821J
VR	4601,4701	VARIABLE RESISTOR	CCW1024
VR	5201	ROTARY VR	DCS1117
		Other Resistors	RS1/16SS###J

Mark	No.	Description	Part No.
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CAPACITORS

A

C	4001,4002	CEVW221M10
C	4003,4005,4103,4105	0402B104K250CT
C	4101,4102	0805X106K250CT
C	4104,4209-4211,4213	0402N471J500CT
C	4106,4204,4205,4214	0402B103K250CT

C	4107	0402N100J500CT
C	4108,4110,4219,4238	0402B104K250CT
C	4109,5517	0402N120J500CT
C	4111,5509-5513,5515	0402N470J500CT
C	4215,4226,4227,4234	0402B103K250CT

B

C	4221-4223,4225,4231	0402N471J500CT
C	4228-4230,4245,4248	0402N101J500CT
C	4233,4236,4237	0402N471J500CT
C	4235,4246,4247,4254	0402B103K250CT
C	4240-4242,4244,4250	0402N471J500CT

C	4249,4269-4271	0402N101J500CT
C	4252,4253,4256,4262	0402N471J500CT
C	4255,4266,4267,4276	0402B103K250CT
C	4257,4602,4702	0402B104K250CT
C	4263,4265,4268	0402N471J500CT

C

C	4277,5502,5711,5712	0402B103K250CT
C	4601,4701	0402B471K500CT
C	4801-4803,4902,5202	0402B104K250CT
C	4901,5501	CEVW101M16
C	5201,5506-5508,5533 (10 uF)	CCG1192

C	5205,5503-5505,5534	0402B104K250CT
C	5516,5518,5519,5521	0402N470J500CT
C	5522,5525,5527,5528	0402N470J500CT
C	5530,5531	0402N470J500CT
C	5535,5713,5714	0402B102K500CT

C	5536 (10 uF)	CCG1236
C	5537,5538	0603B104K250CT
C	5701,5702	0402N4R0C500CT

D

PANEL ASSY

Consists of

PNLB ASSY

HPJK ASSY

HPFD ASSY

PNLR ASSY

HIK L

PANEL ASSY

SEMICONDUCTORS

E

IC	6101	PST8430N
IC	6102	DYVW2202
*Part number of the initial firmware equipped		
IC	6201	TC74HC151AF
IC	6301,6302	TC74HC4051AF
IC	6801	NJM2903M

Q	6101,6201-6204	RT1P241M-11
Q	6401-6408	RT1N237M
Q	6409,6410	HN1A01FUS1
Q	6801	RT1P431M
D	6401-6408	LTL17KSL5D-P

F

D	6409,6410	SLR343BD2T
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MISCELLANEOUS

L	6101 CHIP COIL (33 uH)	LCTAW330J2520
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Mark	No.	Description	Part No.
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JA	6601	6.5 DIA JACK	DKN1669
JA	6602	STEREO MINI JACK	XKN3017
KN	6601	SCREW PLATE	VNE1948
S	6201-6211	TACT SWITCH	DSG1079

S	6801	ENCODER SW	DSX1080
S	6802	ROTARY SWITCH	DSG1099
X	6101	CRYSTAL RESONATOR (16.000 MHz)	DSS1149
CN	6001	39P CONNECTOR	VKN2098
CN	6002	15P CONNECTOR	VKN1275

CN	6003,6004	31P CONNECTOR	VKN1291
CN	6005,6701	7P CONNECTOR	VKN1267
CN	6006,6007,6801	11P CONNECTOR	VKN1242
JP	6601	CONNECTOR ASS'Y	PF05PG-D07
PC	6201-6204	PHOTO INTERRUPTER	GP1S094HCZ0F

VA	6601-6606,6704-6706	VARISTORS	EZJZ1V270RM
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RESISTORS

VR	6301-6304,6307,6803	ROTARY VR	DCS1078
VR	6305,6306	ROTARY VR	DCS1126
VR	6701	ROTARY VR	DCS1117
VR	6702	VARIABLE RESISTOR	DCV1014
VR	6703	ROTARY VR	DCS1116

VR	6801,6802	ROTARY VR	DCS1104
All Resistors			RS1/10SR###J

CAPACITORS

C	6001,6002	CKSQYB106K6R3
C	6003	0603X105K250CT
C	6004,6103,6124,6126	0603B104K250CT
C	6005,6151,6153	0603N470J500CT
C	6012,6104-6122,6129	0603N471J500CT

C	6101,6102,6123,6125 (10 uF)	DCH1263
C	6127,6134,6144-6149	0603B103K500CT
C	6130,6137,6139,6215	0603N471J500CT
C	6131-6133,6136	0603N222J500CT
C	6135,6138	0603N120J500CT

C	6140,6141,6204,6211	0603B104K250CT
C	6142,6301,6304-6306	0603B102K500CT
C	6214,6217,6219,6302	0603B104K250CT
C	6216,6218,6221-6224	0603N471J500CT
C	6225-6227	0603N101J500CT

C	6303,6307,6309,6310	0603B104K250CT
C	6308,6311,6312	0603B102K500CT
C	6313,6314,6319,6320	0603B104K250CT
C	6315-6318,6321-6324	0603B102K500CT
C	6327-6333	0603B102K500CT

C	6334,6601-6604	0603B104K250CT
C	6605,6607	0603B103K500CT
C	6701-6703,6801-6803	0603B104K250CT
C	6808-6810	0603B104K250CT

U

SW POWER SUPPLY

There is no service parts.